abcam

ab215999

Anti-LEF1 antibody [EPR2029Y] - BSA and Azide free

Recombinant | RabMAb | KO Validated

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Carrier free	Yes
Clone number	EPR2029Y
Purification technique	Affinity purification Protein A
Concentration	1.051 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IHC-P

Tested

Species	Mouse, Human, Rat
Dilution info	-
Notes	-

Not recommended

Species	Recombinant full length protein - Mouse
Dilution info	-
Notes	-

IP

Tested

Species	Human, Rat
Dilution info	-
Notes	-

Expected

Species	Mouse
Dilution info	Use at an assay dependent concentration.
Notes	-

Not recommended

Species	Recombinant full length protein - Mouse
Dilution info	-
Notes	-

WB

Tested

Species	Human
Dilution info	-
Notes	We don't recommend this antibody for mouse in Western Blot. In our hands an extra band was observed in mouse tissue lysates.

Species	Recombinant full length protein - Mouse
Dilution info	-

Notes	We don't recommend this antibody for mouse in Western Blot. In our hands an extra band was observed in mouse tissue lysates.

Species	Rat
Dilution info	-
Notes	We don't recommend this antibody for mouse in Western Blot. In our hands an extra band was observed in mouse tissue lysates.

Not recommended

Species	Mouse
Dilution info	-
Notes	-

ICC/IF

Tested

Species	Human
Dilution info	-
Notes	-

Expected

Species	Mouse, Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

Not recommended

Species	Recombinant full length protein - Mouse
Dilution info	-
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	-
Notes	-

Expected

Species	Mouse, Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

Not recommended

Species	Recombinant full length protein - Mouse
Dilution info	-
Notes	-

Target data

See full target information LEF1_HUMAN

Function

Transcription factor that binds DNA in a sequence-specific manner (PubMed:2010090). Participates in the Wnt signaling pathway (By similarity). Activates transcription of target genes in the presence of CTNNB1 and EP300 (By similarity). PIAG antagonizes both Wnt-dependent and Wnt-independent activation by LEF1 (By similarity). TLE1, TLE2, TLE3 and TLE4 repress transactivation mediated by LEF1 and CTNNB1 (PubMed:11266540). Regulates T-cell receptor alpha enhancer function (PubMed:19653274). Required for IL17A expressing gamma-delta T-cell maturation and development, via binding to regulator loci of BLK to modulate expression (By similarity). Acts as a positive regulator of odontoblast differentiation during mesenchymal tooth germ formation, expression is repressed during the bell stage by MSX1-mediated inhibition of CTNNB1 signaling (By similarity). May play a role in hair cell differentiation and follicle morphogenesis (By similarity). Isoform 1. Transcriptionally activates MYC and CCND1 expression and enhances proliferation of pancreatic tumor cells. Isoform 3. Lacks the CTNNB1 interaction domain and may therefore be an antagonist for Wnt signaling. Isoform 5. Transcriptionally activates the fibronectin promoter, binds to and represses transcription from the E-cadherin promoter in a CTNNB1-independent manner, and is involved in reducing cellular aggregation and increasing cell migration of pancreatic cancer cells.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C
Storage information	Do Not Freeze

Notes

ab215999 is the carrier-free version of ab137872.

Patented technology

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

What are the advantages of a recombinant monoclonal antibody?

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

Conjugation ready

Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with 1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

Compatibility

This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc.

Supplementary info

This supplementary information is collated from multiple sources and compiled automatically.

Activity summary	LEF1 also known as lymphoid enhancer-binding factor 1 is a transcription factor important in the Wnt signaling pathway. It typically weighs around 44 kDa. This protein contains a high-mobility group (HMG) box domain that enables it to bind specifically to DNA and influence gene expression. LEF1 is primarily expressed in tissues with active Wnt signaling including developing organs and certain cell types like T-cells specifically Jurkat cells. Researchers use LEF1 protein

	immunohistochemistry (LEF1 IHC) and LEF1 markers for expression analysis in different tissues.
Biological function summary	The LEF1 transcription factor plays a significant role in cellular processes such as cell differentiation proliferation and embryonic development. As part of the Wnt signaling complex it interacts with β-catenin to regulate target gene expression. Activation of Wnt signaling by LEF1 can lead to changes in the cellular structure and function necessary for tissue development and regeneration. LEF1 also contributes to maintaining the pluripotency of stem cells by modulating gene networks critical for stem cell properties.
Pathways	The LEF1 protein is essential in Wnt/β-catenin signaling and influences the Hedgehog pathway. LEF1 pairs with β-catenin to drive the transcription of Wnt target genes involved in cell cycle and differentiation. These pathways maintain stem cell populations and regulate development. LEF1's function in these pathways links it closely to other factors like TCF7L2 and GLI family proteins which also play vital roles within these signaling cascades.
Associated diseases and disorders	LEF1 can be linked to conditions such as cancer and immune-related diseases. Overexpression or mutation of the LEF1 protein can lead to various types of cancers including leukemia and colorectal cancer by promoting abnormal cell proliferation and survival. LEF1's role in the immune system also associates it with autoimmune diseases where dysregulation of Wnt signaling might contribute to disease progression. Altered interactions between LEF1 and β-catenin or other associated proteins can disrupt normal cellular activities leading to these pathologies.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

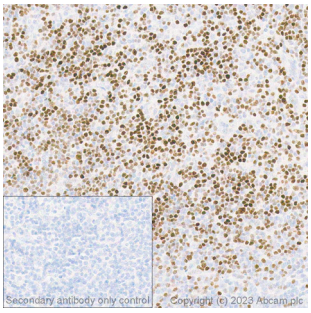
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

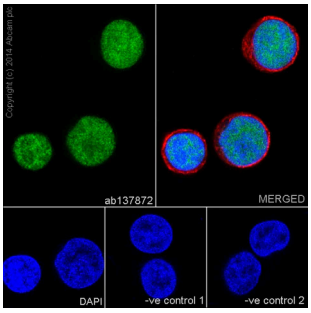
20 product images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LEF1 antibody [EPR2029Y] - BSA and Azide free (ab215999)

LEF1 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of human tonsil tissue using rabbit Anti-LEF1 antibody

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab137872).
Immunohistochemical analysis of formalin fixed paraffin embedded human tonsil labelling LEF1 with ab137872 at a concentration of 0.5 µg/ml. The immunostaining was performed on a Ventana DISCOVERY ULTRA (Roche Tissue Diagnostics) instrument with an OptiView DAB IHC Detection Kit. Heat mediated antigen retrieval was conducted for 32 mins at 100°C with ULTRA cell conditioning solution (CC1, pH 8.5). ab137872 anti-LEF1 antibody [EPR2029Y] was incubated at 37°C for 16 mins. Sections were counterstained with Hematoxylin II. Image inset shows absence of staining in secondary antibody only control.

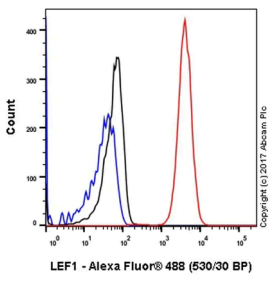


Immunocytochemistry/ Immunofluorescence - Anti-LEF1 antibody [EPR2029Y] - BSA and Azide free (ab215999)

LEF1 Immunocytochemistry/ Immunofluorescence staining of Jurkat (Human T cell leukemia cell line using rabbit Anti-LEF1 antibody

Immunofluorescence staining of Jurkat (Human T cell leukemia cell line from peripheral blood) cells with purified ab137872 at a working dilution of 1 in 500 counter-stained with DAPI. Tubulin was stained with mouse anti-tubulin at a dilution of 1/1000 (ab7291) and Alexa Fluor® 594 goat anti-mouse at a dilution of 1/500 (ab150120) . The secondary antibody was ab150077 Alexa Fluor® 488 goat anti rabbit used at a dilution of 1 in 500. The cells were fixed in 4% PFA and permeabilized using 0.1% Triton X 100.
The negative controls are shown in the bottom middle and right hand panels - for the first negative control purified ab137872 was used at a dilution of 1/200 followed by an Alexa Fluor® 555 goat anti-mouse antibody at a dilution of 1/500 and for the second negative control mouse primary antibody (ab7291) and anti-rabbit secondary antibody (ab15007) were used.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab137872).

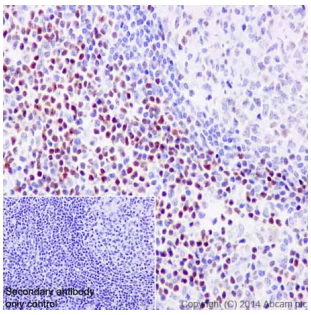


Flow Cytometry (Intracellular) - Anti-LEF1 antibody [EPR2029Y] - BSA and Azide free (ab215999)

LEF1 Flow Cytometry (Intracellular) staining of Jurkat cell line using rabbit Anti-LEF1 antibody

Intracellular flow cytometric analysis of Jurkat cell line (human T cell leukemia T lymphocyte) fixed with 4% paraformaldehyde and permeabilized with 90% methanol labeling LEF1 with ab137872 at 1/600 dilution (red). This is compared with a Rabbit monoclonal IgG (ab172730) - Isotype control (black) and a unlabeled control (cells without incubation with primary antibody

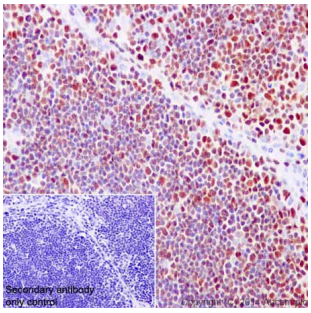
and secondary antibody) (blue). Goat anti-rabbit IgG (Alexa Fluor®488) was used as the secondary antibody.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab137872).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LEF1 antibody [EPR2029Y] - BSA and Azide free (ab215999)

LEF1 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of human tonsil tissue using rabbit Anti-LEF1 antibody

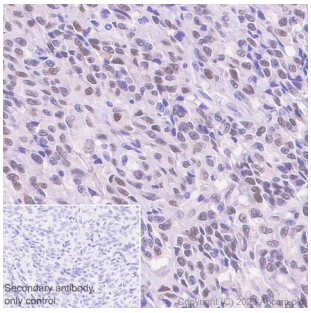
Immunohistochemical staining of paraffin embedded human tonsil with purified ab137872 at a working dilution of 1/500. The secondary antibody used is ab97051 an HRP-conjugated goat anti-rabbit IgG (H+L) at a dilution of 1/500. The sample is counter-stained with hematoxylin. Antigen retrieval was perfomed using Tris-EDTA buffer pH 9.0. PBS was used instead of the primary antibody as the negative control and is shown in the inset.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab137872).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LEF1 antibody [EPR2029Y] - BSA and Azide free (ab215999)

LEF1 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of human thymus tissue using rabbit Anti-LEF1 antibody

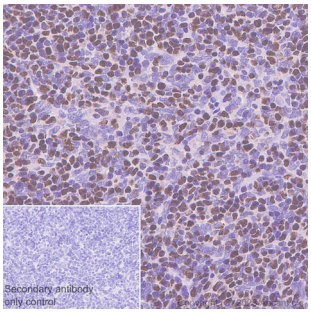
Immunohistochemical staining of paraffin-embedded human thymus with purified ab137872 at a working dilution of 1/500. The secondary antibody used is ab97051 an HRP-conjugated goat anti-rabbit IgG (H+L) at a dilution of 1/500. The sample is counter-stained with hematoxylin. Antigen retrieval was perfomed using Tris-EDTA buffer pH 9.0. PBS was used instead of the primary antibody as the negative control and is shown in the inset.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab137872).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LEF1 antibody [EPR2029Y] - BSA and Azide free (ab215999)

LEF1 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-LEF1 antibody

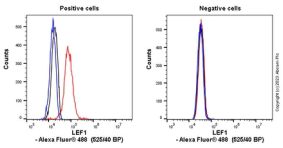
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab137872). ab137872 staining LEF1 in paraffin embedded human melanoma tissue by Immunohistochemistry. Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins. Samples were incubated with primary antibody at 1/2000 dilution for 30 mins at room temperature. A ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101) was used as the secondary antibody. Hematoxylin was used as a counterstain. The immunostaining was performed on a Leica Biosystems BOND® RX instrument.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LEF1 antibody [EPR2029Y] - BSA and Azide free (ab215999)

LEF1 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Human thymona using rabbit Anti-LEF1 antibody

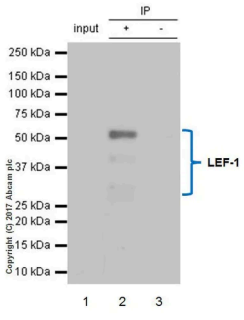
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab137872). ab137872 staining LEF1 in paraffin embedded human thymona tissue by Immunohistochemistry. Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins. Samples were incubated with primary antibody at 1/2000 dilution for 30 mins at room temperature. A ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101) was used as the secondary antibody. Hematoxylin was used as a counterstain. The immunostaining was performed on a Leica Biosystems BOND® RX instrument."



Flow Cytometry (Intracellular) - Anti-LEF1 antibody [EPR2029Y] - BSA and Azide free (ab215999)

LEF1 Flow Cytometry (Intracellular) staining using rabbit Anti-LEF1 antibody

Flow cytometry overlay histogram showing left Jurkat positive cells and right negative HeLa stained with ab137872 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilised with 0.1% PBS-Triton X-100 for 15 min. The cells were then incubated in 1x PBS containing 10% normal goat serum to block non-specific protein-protein interaction followed by the antibody (ab137872) (1x 106 in 100µl at 0.2µg/ml (1/11500 dilution)) for 30min at 22°C.The secondary antibody Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed was incubated at 1/4000 for 30min at 22°CIsotype control antibody (black line) was Recombinant Rabbit IgG monoclonal [EPR25A] - Isotype Control used at the same concentration and conditions as the primary antibody. Unlabelled sample (blue line) was also used as a control.Acquisition of >5000 events were collected using a 50 mW Blue laser (488nm) and 525/40 bandpass filter.This antibody gave a positive signal in Jurkat Fixed with 4% formaldehyde (10 min) / permeabilised with 0.1% PBS-Triton X-100 for 15 min under the same conditions.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab137872).



Immunoprecipitation - Anti-LEF1 antibody [EPR2029Y] - BSA and Azide free (ab215999)

Lane 1 (input): Jurkat (human T cell leukemia T lymphocyte) whole cell lysate, 10 µg
Lane 2 (+): Jurkat whole cell lysate
Lane 3 (-): Rabbit monoclonal IgG (ab172730) instead of ab137872 in Jurkat whole cell lysate
ab137872 immunoprecipitating LEF1 in Jurkat whole cell lysate. For western blotting, primary antibody used was ab137872 at 1:1000 dilution. ab131366 VeriBlot for IP Detection Reagent (HRP) (ab131366), was used for detection at 1/10,000 dilution.

Blocking and diluting buffer: 5% NFDM/TBST

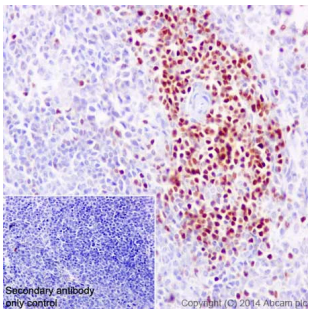
Exposure time: 3 minutes

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab137872).

All lanes:
Immunoprecipitation - Anti-LEF1 antibody [EPR2029Y] (ab137872)

Predicted band size: 44 kDa

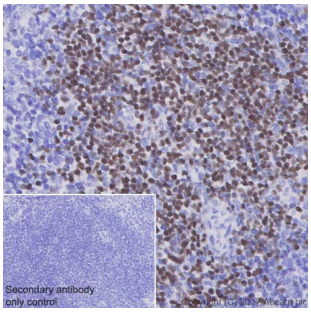
Exposure time: 3min



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LEF1 antibody [EPR2029Y] - BSA and Azide free (ab215999)

LEF1 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of rat spleen tissue using rabbit Anti-LEF1 antibody

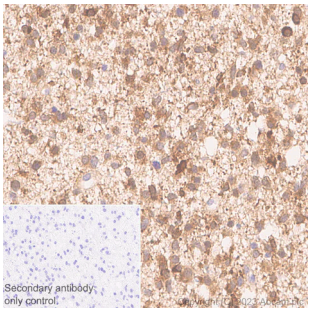
Immunohistochemical staining of paraffin embedded rat spleen with purified ab137872 at a working dilution of 1/500. The secondary antibody used is ab97051, an HRP-conjugated goat anti-rabbit IgG (H+L), at a dilution of 1/500. The sample is counter-stained with hematoxylin. Antigen retrieval was perfomed using Tris-EDTA buffer, pH 9.0. PBS was used instead of the primary antibody as the negative control, and is shown in the inset.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab137872).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LEF1 antibody [EPR2029Y] - BSA and Azide free (ab215999)

LEF1 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-LEF1 antibody

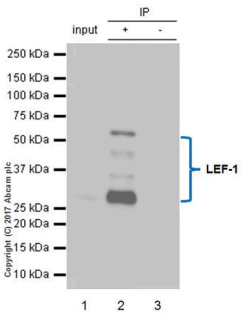
This IHC data was generated using the same anti-LEF1 antibody clone, EPR2029Y, in a different buffer formulation (cat# ab137872).
ab137872 staining LEF1 in paraffin embedded Mouse spleen tissue by Immunohistochemistry. Antigen retrieval was by heat mediation using ab93684 (Tris/EDTA buffer, Ph9). Samples were incubated with primary antibody at 1:2000 dilution. A ready to use Goat Anti-rabbit IgG H&L (HRP) was used as the secondary antibody. Hematoxylin was used as a counter stain. Nuclear staining on T cells in periarterial lymphatic sheath of mouse spleen (PMID: 21685909).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LEF1 antibody [EPR2029Y] - BSA and Azide free (ab215999)

LEF1 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Human melanoma using rabbit Anti-LEF1 antibody

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab137872).
ab137872 staining LEF1 in paraffin embedded human melanoma tissue by Immunohistochemistry. Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0 Epitope Retrieval Solution2) for 20 mins. Samples were incubated with primary antibody at 1/2000 dilution for 30 mins at room temperature. A ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101) was used as the secondary antibody. Hematoxylin was used as a counterstain. The immunostaining was performed on a Leica Biosystems BOND® RX instrument.



Immunoprecipitation - Anti-LEF1 antibody [EPR2029Y] - BSA and Azide free (ab215999)

Lane 1 (input): Rat thymus lysate, 10µg
Lane 2 (+): Rat thymus lysate
Lane 3 (-): Rabbit monoclonal IgG (ab172730) instead of ab137872 in rat thymus lysate
ab137872 immunoprecipitating LEF1 in rat thymus lysate. For western blotting, primary antibody used was ab137872 at 1:1000 dilution. VeriBlot for IP Detection Reagent (HRP) (ab131366), was used for detection at 1/10,000 dilution.

Blocking and diluting buffer: 5% NFDM/TBST

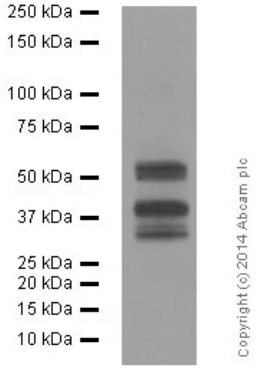
Exposure time: 3 minutes

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab137872).

All lanes:
Immunoprecipitation - Anti-LEF1 antibody [EPR2029Y] (ab137872)

Predicted band size: 44 kDa

Exposure time: 3min



Western blot - Anti-LEF1 antibody [EPR2029Y] - BSA and Azide free (ab215999)

LEF1 Western blot staining of Human fetal thymus lysate using rabbit Anti-LEF1 antibody

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab137872).
Blocking/Dilution buffer: 5% NFDM/TBST

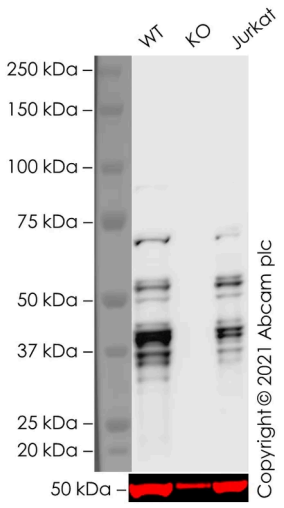
All lanes:
Western blot - Anti-LEF1 antibody [EPR2029Y] (ab137872) at 1/1000 dilution

All lanes:
Human fetal thymus lysate at 10 µg

Secondary

All lanes:
HRP goat anti-rabbit (H+L) at 1/1000 dilution

Predicted band size: 44 kDa



Western blot - Anti-LEF1 antibody [EPR2029Y] - BSA and Azide free (ab215999)

LEF1 Western blot staining using rabbit Anti-LEF1 antibody

False colour image of Western blot: Anti-LEF1 antibody [EPR2029Y] staining at 1/1000 dilution, shown in black; Mouse anti-Alpha Tubulin [DM1A] (ab7291) loading control staining at 1/20000 dilution, shown in red. In Western blot, ab137872 was shown to bind specifically to LEF1. A band was observed at 40/53 kDa in wild-type Jurkat cell lysates with no signal observed at this size in Lef1 knockout cell line ab274898 (knockout cell lysate ab274956). To generate this image, wild-type and Lef1 knockout Jurkat cell lysates were analysed. First, samples were run on an SDS-PAGE gel then transferred onto a nitrocellulose membrane. Membranes were blocked in 3 % milk in TBS-0.1 % Tween® 20 (TBS-T) before incubation with primary antibodies overnight at 4 °C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times before development with Optiblot (ECL reagent ab133456) and imaged with 4 minutes exposure time. Secondary antibodies used were HRP conjugated Goat anti-Rabbit (H+L) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed (ab216776) at 1/20000 dilution. This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab137872).

All lanes:
Western blot - Anti-LEF1 antibody [EPR2029Y] (ab137872) at 1/1000 dilution

Lane 1:
Wild-type Jurkat cell lysate at 40 µg

Lane 2:
Lef1 knockout Jurkat cell lysate at 40 µg

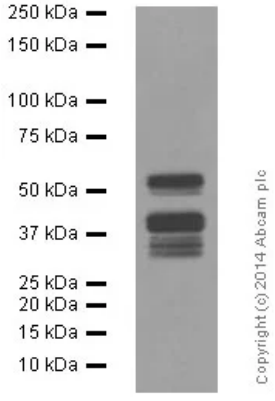
Lane 2:
Western blot - Human LEF1 knockout Jurkat cell line (ab274898)

Lane 3:
Jurkat cell lysate at 20 µg

Performed under reducing conditions.

Predicted band size: 44 kDa

Observed band size: 40 kDa



Western blot - Anti-LEF1 antibody [EPR2029Y] - BSA and Azide free (ab215999)

LEF1 Western blot staining of Jurkat (Human T cell leukemia cell line from peripheral blood) cell lysate using rabbit Anti-LEF1 antibody

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab137872).
Blocking/Dilution buffer: 5% NFDM/TBST

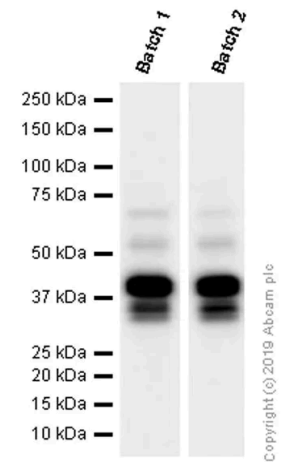
All lanes:
Western blot - Anti-LEF1 antibody [EPR2029Y] (ab137872) at 1/10000 dilution

All lanes:
Jurkat (Human T cell leukemia cell line from peripheral blood) cell lysate at 10 µg

Secondary

All lanes:
HRP goat anti-rabbit (H+L) at 1/1000 dilution

Predicted band size: 44 kDa

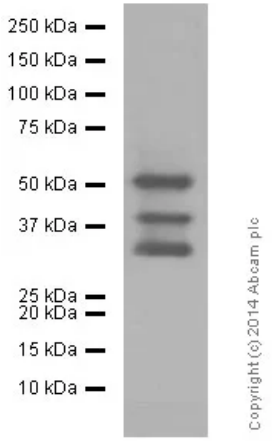


Western blot - Anti-LEF1 antibody [EPR2029Y] - BSA and Azide free (ab215999)

LEF1 Western blot staining using rabbit Anti-LEF1 antibody

This data was developed using ab137872, the same antibody clone in a different buffer formulation. Different batches of ab137872 were tested on Jurkat (Human T cell leukemia T lymphocyte) lysate at 1.1 µg/ml. 15 µg of lysate was loaded in each lane. Bands observed at 25-57 kDa.
All lanes:
Western blot - Anti-LEF1 antibody [EPR2029Y] (ab137872)

Predicted band size: 44 kDa



Western blot - Anti-LEF1 antibody [EPR2029Y] - BSA and Azide free (ab215999)

LEF1 Western blot staining of Rat thymus tissue lysate using rabbit Anti-LEF1 antibody

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab137872).
Blocking/Dilution buffer: 5% NFDM/TBST

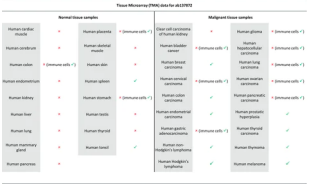
All lanes:
Western blot - Anti-LEF1 antibody [EPR2029Y] (ab137872) at 1/2000 dilution

All lanes:
Rat thymus tissue lysate at 20 µg

Secondary

All lanes:
HRP goat anti-rabbit (H+L) at 1/1000 dilution

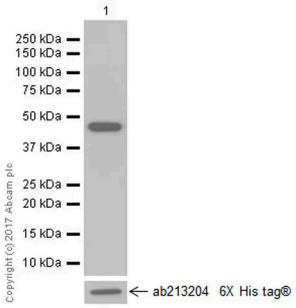
Predicted band size: 44 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LEF1 antibody [EPR2029Y] - BSA and Azide free (ab215999)

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab137872). Tissue Microarrays stained for Anti-LEF1 antibody [EPR2029Y] using ab137872 in immunohistochemical analysis. This table provides a detailed overview of positive (tick mark) and negaive (cross mark) staining per sample type tested. The sections were incubated with ab137872 for 30 mins at room temperature used at 1:2000 dilution (1.05 µg/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB secondary antibody (ab209101). Counterstain was Hematoxylin. Heat mediated antigen retrieval

was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins. The immunostaining was performed on a Leica Biosystems BOND® RX instrument.



Western blot - Anti-LEF1 antibody [EPR2029Y] - BSA and Azide free (ab215999)

LEF1 Western blot staining of His-tagged mouse LEF-1 recombinant protein (aa1-397) using rabbit Anti-LEF1 antibody

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab137872).
Blocking and diluting buffer: 5% NFDM/TBST

All lanes:
Western blot - Anti-LEF1 antibody [EPR2029Y] (ab137872) at 1/1000 dilution

All lanes:
His-tagged mouse LEF-1 recombinant protein (aa1-397) at 0.01 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Predicted band size: 44 kDa

Observed band size: 44 kDa

Exposure time: 1s

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.