abcam

ab231163

Anti-IRF5 antibody [EPR17067] - 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	EPR17067
Purification technique	Affinity purification Protein A
Concentration	1.002 - 1.054 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IP

Tested

Species	Mouse
Dilution info	-
Notes	-

Expected

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

Not recommended

Species	Transfected cell lysate
Dilution info	-
Notes	-

WB

Tested

Species	Human, Mouse, Rat, Transfected cell lysate
Dilution info	-
Notes	-

ICC/IF

Tested

Species	Human, Mouse
Dilution info	-
Notes	-

Expected

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

Not recommended

Species	Transfected cell lysate
Dilution info	-
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	-
Notes	ab199376- Rabbit monoclonal IgG (Low endotoxin, Azide free), is suitable for use as an isotype control with this antibody.

Expected

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

Not recommended

Species	Transfected cell lysate
Dilution info	-
Notes	-

IHC-P

Tested

Species	Human, Mouse, Rat
Dilution info	-
Notes	-

Not recommended

Species	Transfected cell lysate

Dilution info	-
Notes	-

Target data

See full target information IRF5

Function	Transcription factor that plays a critical role in innate immunity by activating expression of type I interferon (IFN) IFNA and INFB and inflammatory cytokines downstream of endolysosomal toll-like receptors TLR7, TLR8 and TLR9 (PubMed:11303025, PubMed:15695821, PubMed:22412986, PubMed:25326418, PubMed:32433612). Regulates the transcription of type I IFN genes (IFN-alpha and IFN-beta) and IFN-stimulated genes (ISG) by binding to an interferon-stimulated response element (ISRE) in their promoters (By similarity). Can efficiently activate both the IFN-beta (IFNB) and the IFN-alpha (IFNA) genes and mediate their induction downstream of the TLR-activated, MyD88-dependent pathway (By similarity). Key transcription factor regulating the IFN response during SARS-CoV-2 infection (PubMed:33440148).

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

ab231163 is the carrier-free version of ab181553.

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	IRF5 or Interferon Regulatory Factor 5 is a member of the IRF family of transcription factors. This protein weighs approximately 56 kDa and is expressed in cells of the immune system including B cells dendritic cells and macrophages. IRF5 plays an important role in regulating the transcription of interferon-stimulated genes following a viral infection. It acts by binding to specific DNA sequences initiating transcription processes that are important for the antiviral response.
Biological function summary	IRF5 influences the immune response through the regulation of cytokine production. It activates genes involved in producing pro-inflammatory cytokines such as TNF-α and IL-6 which are important for clearing viral infections and activating immune cells. IRF5 does not usually form part of a protein complex but it interacts closely with TRAF6 and MyD88 for its activation. Its pivotal role in cytokine production highlights its importance in controlling inflammation.
Pathways	IRF5 is an important component of the Toll-like receptor (TLR) signaling pathway and plays a role in the MyD88-dependent pathway. In this context IRF5 gets activated by TLRs interacting with MyD88 and TAK1 to enhance the transcription of important genes for immune response. It is also closely connected to the IRF3 protein which shares similar activation pathways and can similarly initiate an antiviral state.
Associated diseases and disorders	Defects or dysregulation in IRF5 function are linked to autoimmune diseases such as systemic lupus erythematosus (SLE) and rheumatoid arthritis. In SLE IRF5 influences autoantibody production contributing to disease development. It works alongside other regulatory proteins involved in autoimmunity including IFN-α and STAT4 which also play significant roles in modulating immune responses. Understanding IRF5's role in these conditions could present new opportunities for therapeutic interventions using IRF5 inhibitors.

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

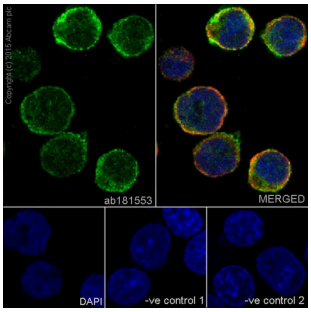
We do not recommend this combination. It is not covered by our product promise.

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.

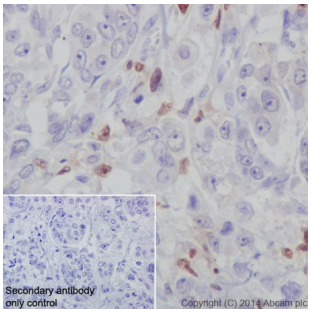
19 product images



Immunocytochemistry/ Immunofluorescence - Anti-IRF5 antibody [EPR17067] - BSA and Azide free (ab231163)

IRF5 Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-IRF5 antibody

This ICC data was generated using the same anti-IRF5 antibody clone, EPR17067, in a different buffer formulation (cat# ab181553).
Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized THP-1 (Human monocytic leukemia cells) cells labeling IRF5 with ab181553 at 1/1000 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (ab150077) secondary antibody at 1/500 dilution (green). Confocal image showing cytoplasmic and weakly nuclear staining on THP-1 cells. The nuclear counter stain is DAPI (blue). Tubulin is detected with ab7291 (anti-Tubulin mouse mAb) at 1/1000 dilution and ab150120 (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 dilution (red).
The negative controls are as follows:
-ve control 1: ab181553 at 1/1000 dilution followed by ab150120 (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 dilution.
-ve control 2: ab7291 (anti-Tubulin mouse mAb) at 1/1000 dilution followed by ab150077 (Alexa Fluor®488 Goat Anti-Rabbit IgG H&L) at 1/500 dilution.



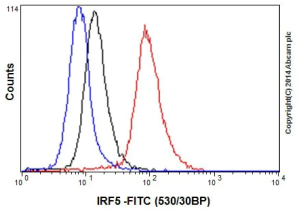
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IRF5 antibody [EPR17067] - BSA and Azide free (ab231163)

IRF5 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-IRF5 antibody

This IHC data was generated using the same anti-IRF5 antibody clone, EPR17067, in a different buffer formulation (cat# ab181553).
Immunohistochemical analysis of paraffin-embedded Human breast cancer tissue labeling IRF5 with ab181553 at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) secondary antibody at 1/500 dilution. Nuclear and cytoplasmic staining on leukocyte of Human breast cancer stroma is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.

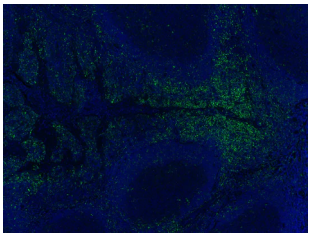
Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Flow Cytometry (Intracellular) - Anti-IRF5 antibody [EPR17067] - BSA and Azide free (ab231163)

IRF5 Flow Cytometry (Intracellular) staining using rabbit Anti-IRF5 antibody

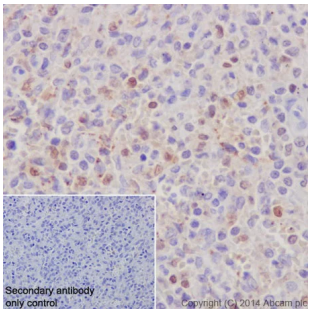
Intracellular flow cytometric analysis of 2% paraformaldehyde-fixed THP-1 (Human monocytic leukemia cells) cells labeling IRF5ï¿½with ab181553 at 1/50 dilution (red) compared with a rabbit monoclonal IgG isotype control (ab172730;ï¿½black) and an unlabelled control (cells without incubation with primary antibody and secondary antibody; blue). Goat anti rabbit IgG (FITC) at 1/150 dilution 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 (ab181553).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IRF5 antibody [EPR17067] - BSA and Azide free (ab231163)

IRF5 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-IRF5 antibody

Anti-IRF5 antibody [EPR17067] (ab181553)
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human tonsil tissue labelling IRF5 with ab181553 at a dilution of 1:500. Heat mediated antigen retrieval was performed using AR9 antigen retrieval solution, and microwave treatment for 15 min at 20% power. Anti-Rabbit/Mouse HRP polymer (PerkinElmer Opal Polymer HRP Ms Plus Rb) was used as secondary antibody. Opal tyramide amplification was performed using Opal 520 fluorophore. Counterstained with DAPI stain. Image scanned with Vectra 3.0 and analyzed via Phenochart software.
This image was courteously provided by Dr. Houssein Abdul Sater, Georgia Cancer Center.



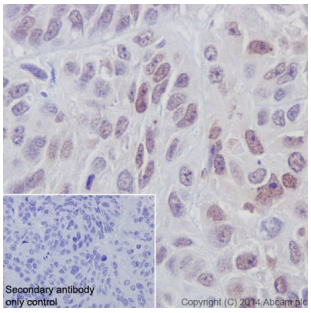
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IRF5 antibody [EPR17067] - BSA and Azide free (ab231163)

IRF5 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-IRF5 antibody

Immunohistochemical analysis of paraffin-embedded Human spleen tissue labeling IRF5 with ab181553 at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) secondary antibody at 1/500 dilution. Nuclear and cytoplasmic staining on leukocytes of Human spleen is observed. Counter stained with Hematoxylin.
Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab181553).

Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



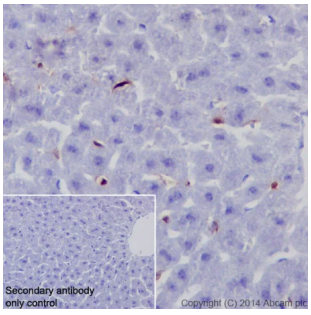
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IRF5 antibody [EPR17067] - BSA and Azide free (ab231163)

IRF5 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-IRF5 antibody

Immunohistochemical analysis of paraffin-embedded Human lung cancer tissue labeling IRF5 with ab181553 at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) secondary antibody at 1/500 dilution. Nucleus staining on cancer cells of Human lung cancer is observed. Counter stained with Hematoxylin.
Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab181553).

Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



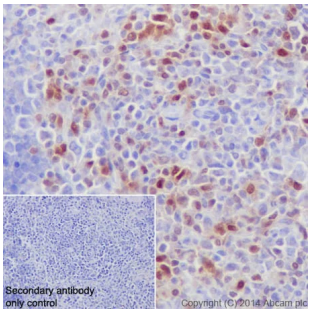
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IRF5 antibody [EPR17067] - BSA and Azide free (ab231163)

IRF5 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-IRF5 antibody

Immunohistochemical analysis of paraffin-embedded Mouse liver tissue labeling IRF5 with ab181553 at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) secondary antibody at 1/500 dilution. Nuclear staining on kupffer cells of mouse liver is observed. Counter stained with Hematoxylin.
Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab181553).

Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



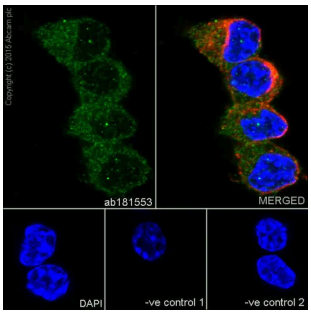
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IRF5 antibody [EPR17067] - BSA and Azide free (ab231163)

IRF5 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-IRF5 antibody

Immunohistochemical analysis of paraffin-embedded Rat spleen tissue labeling IRF5 with ab181553 at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) secondary antibody at 1/500 dilution. Nuclear and cytoplasmic staining on lymphocytes of rat spleen is observed. Counter stained with Hematoxylin.
Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab181553).

Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

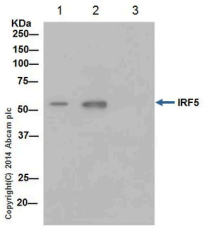


Immunocytochemistry/ Immunofluorescence - Anti-IRF5 antibody [EPR17067] - BSA and Azide free (ab231163)

IRF5 Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-IRF5 antibody

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized RAW 264.7 (Mouse macrophage cells transformed with Abelson murine leukemia virus) cells labeling IRF5 with ab181553 at 1/1000 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (ab150077) secondary antibody at 1/500 dilution (green). Confocal image showing cytoplasmic and weakly nuclear staining on RAW 264.7 cells. The nuclear counter stain is DAPI (blue). Tubulin is detected with ab7291 (anti-Tubulin mouse mAb) at 1/1000 dilution and ab150120 (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 dilution (red).
The negative controls are as follows:
-ve control 1: ab181553 at 1/1000 dilution followed by ab150120 (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 dilution.
-ve control 2: ab7291 (anti-Tubulin mouse mAb) at 1/1000 dilution followed by ab150077 (Alexa Fluor®488 Goat Anti-Rabbit IgG H&L) at 1/500 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab181553).



Immunoprecipitation - Anti-IRF5 antibody [EPR17067] - BSA and Azide free (ab231163)

IRF5 was immunoprecipitated from 1mg of RAW 264.7 (Mouse macrophage cells transformed with Abelson murine leukemia virus) whole cell lysate with ab181553 at 1/150 dilution. Western blot was performed from the immunoprecipitate using ab181553 at 1/1000 dilution. Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/1500 dilution.
Lane 1: RAW 264.7 whole cell lysate 10 µg (Input).

Lane 2: ab181553 IP in RAW 264.7 whole cell lysate.

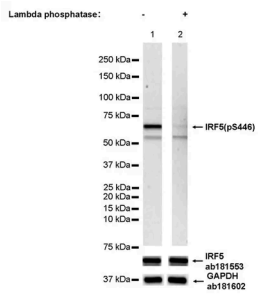
Lane 3: Rabbit monoclonal IgG (ab172730) instead of ab181553 in RAW 264.7 whole cell lysate.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab181553).

All lanes:
Immunoprecipitation - Anti-IRF5 antibody [EPR17067] (ab181553)

Predicted band size: 56 kDa



Western blot - Anti-IRF5 antibody [EPR17067] - BSA and Azide free (ab231163)

IRF5 Western blot staining using rabbit Anti-IRF5 antibody

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab181553).
Blocking and diluting buffer and concentration: 5% NFDM/TBST.

In Western blot, anti-IRF5 antibody (ab181553) staining at 1/1000 dilution.

Anti-GAPDH antibody (ab181602) loading control staining at 1/200000 dilution.

All lanes:
Western blot - Anti-IRF5 (phospho S446) antibody [EPR26132-254] (ab309088) at 1/1000 dilution

Lane 1:
293T cells transfected with a human IRF5 expression vector containing a His-tag whole cell lysate (untreated membrane) at 20 µg

Lane 2:
293T cells transfected with a human IRF5 expression vector containing a His-tag whole cell lysate (phosphatase treated membrane) at 20 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

Observed band size: 56 kDa

Exposure time: 180s



Western blot - Anti-IRF5 antibody [EPR17067] - BSA and Azide free (ab231163)

IRF5 Western blot staining using rabbit Anti-IRF5 antibody

Lanes 1 - 2: Merged signal (red and green). Green - ab181553 observed at 56 kDa. Red - loading control, ab9484, observed at 37 kDa.
ab181553 was shown to specifically react with IRF5 in wild-type HAP1 cells as signal was lost in IRF5 knockout cells. Wild-type and IRF5 knockout samples were subjected to SDS-PAGE. ab181553 and ab9484 (Mouse anti-GAPDH loading control) were incubated overnight at 4°C at 1/1000 dilution and 1/20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed ab216773 and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed ab216776 secondary antibodies at 1/20000 dilution for 1 hour at room temperature before imaging.

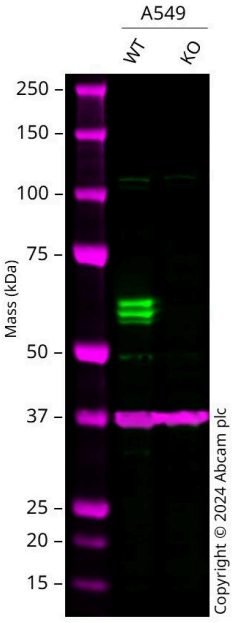
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab181553).

All lanes:
Western blot - Anti-IRF5 antibody [EPR17067] (ab181553) at 1/1000 dilution

Lane 1:
Wild-type HAP1 whole cell lysate at 20 µg

Lane 2:
IRF5 knockout HAP1 whole cell lysate at 20 µg

Predicted band size: 56 kDa



Western blot - Anti-IRF5 antibody [EPR17067] - BSA and Azide free (ab231163)

IRF5 Western blot staining using rabbit Anti-IRF5 antibody

Western blot: Anti-IRF5 antibody [EPR17067] (ab181553) staining at 1/1000 dilution, shown in green; Mouse anti-GAPDH antibody [6C5] (ab8245) loading control staining at 1/20000 dilution, shown in magenta. In Western blot, ab181553 was shown to bind specifically to IRF5. A band was observed at 50-70 kDa in wild-type A549 cell lysates with no signal observed at this size in IRF5 knockout cell line. To generate this image, wild-type and IRF5 knockout A549 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 then imaged. Secondary antibodies used were Goat anti-Rabbit IgG H&L 800CW and Goat anti-Mouse IgG H&L 680RD at 1/20000 dilution.
All lanes:
Western blot - Anti-IRF5 antibody [EPR17067] (ab181553) at 1/1000 dilution

Lane 1:
Wild-type A549 cell lysate at 20 µg

Lane 2:
Western blot - Human IRF5 knockout A549 cell line (ab301006)

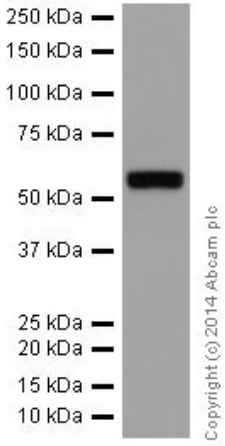
Lane 2:
IRF5 knockout A549 cell lysate at 20 µg

Secondary

All lanes:
Goat anti-Rabbit IgG H&L 800CW and Goat anti-Mouse IgG H&L 680RD at 1/20000 dilution

Performed under reducing conditions.

Observed band size: 50 kDa, 70 kDa



Western blot - Anti-IRF5 antibody [EPR17067] - BSA and Azide free (ab231163)

IRF5 Western blot staining of Ramos (Human Burkitt's lymphoma cell line) whole cell lysate using rabbit Anti-IRF5 antibody

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab181553).
Blocking/Dilution buffer: 5% NFDM/TBST.

All lanes:
Western blot - Anti-IRF5 antibody [EPR17067] (ab181553) at 1/2000 dilution

All lanes:
Ramos (Human Burkitt's lymphoma cell line) whole cell lysate at 10 µg

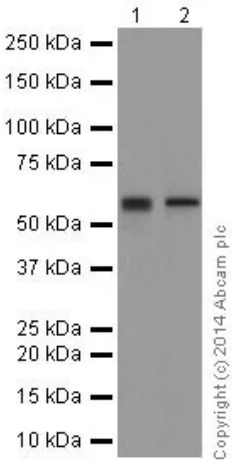
Secondary

All lanes:
Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/1000 dilution

Predicted band size: 55 kDa

Observed band size: 55 kDa

Exposure time: 1min



Western blot - Anti-IRF5 antibody [EPR17067] - BSA and Azide free (ab231163)

IRF5 Western blot staining using rabbit Anti-IRF5 antibody

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab181553).
Blocking/Dilution buffer: 5% NFDM/TBST.

All lanes:
Western blot - Anti-IRF5 antibody [EPR17067] (ab181553) at 1/50000 dilution

Lane 1:
THP-1 (Human monocytic leukemia cells) whole cell lysate at 10 µg

Lane 2:
A20 (Mouse reticulum cell sarcoma cell line) whole cell lysate at 10 µg

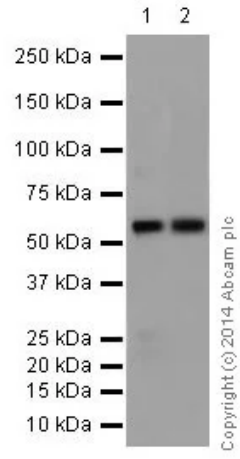
Secondary

All lanes:
Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/1000 dilution

Predicted band size: 56 kDa

Observed band size: 55 kDa

Exposure time: 1min



Western blot - Anti-IRF5 antibody [EPR17067] - BSA and Azide free (ab231163)

IRF5 Western blot staining using rabbit Anti-IRF5 antibody

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab181553).
Blocking/Dilution buffer: 5% NFDM/TBST.

All lanes:
Western blot - Anti-IRF5 antibody [EPR17067] (ab181553) at 1/2000 dilution

Lane 1:
Mouse spleen lysate at 10 µg

Lane 2:
Rat spleen lysate at 10 µg

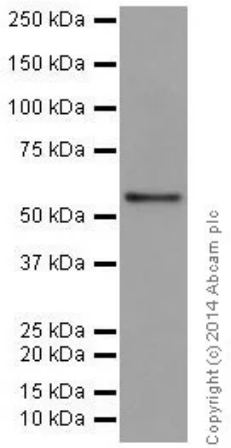
Secondary

All lanes:
Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/1000 dilution

Predicted band size: 55 kDa

Observed band size: 55 kDa

Exposure time: 30s



Western blot - Anti-IRF5 antibody [EPR17067] - BSA and Azide free (ab231163)

IRF5 Western blot staining of RAW 264.7 (Mouse macrophage cells transformed with Abelson murine leukemia virus) whole cell lysate using rabbit Anti-IRF5 antibody

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab181553).
Blocking/Dilution buffer: 5% NFDM/TBST.

All lanes:
Western blot - Anti-IRF5 antibody [EPR17067] (ab181553) at 1/5000 dilution

All lanes:
RAW 264.7 (Mouse macrophage cells transformed with Abelson murine leukemia virus) whole cell lysate at 10 µg

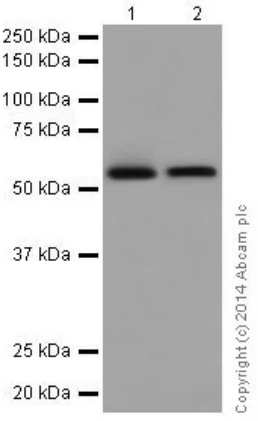
Secondary

All lanes:
Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/1000 dilution

Predicted band size: 56 kDa

Observed band size: 55 kDa

Exposure time: 5s



Western blot - Anti-IRF5 antibody [EPR17067] - BSA and Azide free (ab231163)

IRF5 Western blot staining using rabbit Anti-IRF5 antibody

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab181553).
Blocking/Dilution buffer: 5% NFDM/TBST.

All lanes:
Western blot - Anti-IRF5 antibody [EPR17067] (ab181553) at 1/2000 dilution

Lane 1:
Mouse thymus lysate at 10 µg

Lane 2:
Rat thymus lysate at 10 µg

Secondary

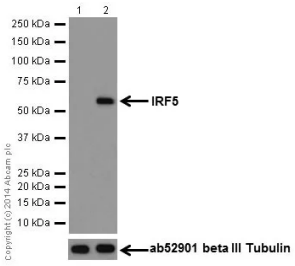
All lanes:

Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/1000 dilution

Predicted band size: 56 kDa

Observed band size: 55 kDa

Exposure time: 1min



Western blot - Anti-IRF5 antibody [EPR17067] - BSA and Azide free (ab231163)

IRF5 Western blot staining using rabbit Anti-IRF5 antibody

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab181553).
Transfected lysate from abcam (Cat#:ab94265).

Blocking/Dilution buffer: 5% NFDM/TBST.

All lanes:
Western blot - Anti-IRF5 antibody [EPR17067] (ab181553) at 1/5000 dilution

Lane 1:
Non-transfected HEK293T (Human epithelial cells from embryonic kidney) whole cell lysate at 10 µg

Lane 2:
IRF5 transfected HEK293T (Human epithelial cells from embryonic kidney) whole cell lysate at 10 µg

Secondary

All lanes:
Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/1000 dilution

Predicted band size: 56 kDa

Observed band size: 55 kDa

Exposure time: 1min

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