abcam

ab197070

Anti-MEF2A + MEF2C antibody [EPR19089-34]

Anti-MEF2A + MEF2C antibody [EPR19089-34] (ab197070) is a rabbit monoclonal antibody detecting MEF2A in **Western Blot, Flow Cytometry (Intra), IHC-P, ICC/IF**. Suitable for **Human, Mouse, Rat**.

- KO validated for confirmed specificity
- Biophysical QC for unrivalled batch-batch consistency
- Over 10 publications

Recombinant | RabMAb | KO Validated | 20ul selling size

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	EPR19089-34
Purification technique	Affinity purification Protein A
Concentration	0.31 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

WB

Tested

Species	Rat
Dilution info	1/1000
Notes	-

Species	Mouse
Dilution info	1/1000
Notes	-

Species	Recombinant full length protein - Human
Dilution info	1/1000
Notes	-

Species	Human
Dilution info	1/1000
Notes	-

ICC/IF

Tested

Species	Human
Dilution info	1/250
Notes	-

Expected

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

Not recommended

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

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/30
Notes	-

Expected

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

Not recommended

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

IHC-P

Tested

Species	Mouse
Dilution info	1/500
Notes	Perform heat-mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Species	Rat
Dilution info	1/500
Notes	Perform heat-mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Species	Human
Dilution info	1/500

Notes	Perform heat-mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Not recommended

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

Target data

See full target information MEF2C

Function

Transcription activator which binds specifically to the MEF2 element present in the regulatory regions of many muscle-specific genes. Controls cardiac morphogenesis and myogenesis, and is also involved in vascular development. Enhances transcriptional activation mediated by SOX18. Plays an essential role in hippocampal-dependent learning and memory by suppressing the number of excitatory synapses and thus regulating basal and evoked synaptic transmission. Crucial for normal neuronal development, distribution, and electrical activity in the neocortex. Necessary for proper development of megakaryocytes and platelets and for bone marrow B-lymphopoiesis. Required for B-cell survival and proliferation in response to BCR stimulation, efficient IgG1 antibody responses to T-cell-dependent antigens and for normal induction of germinal center B-cells. May also be involved in neurogenesis and in the development of cortical architecture (By similarity). Isoforms that lack the repressor domain are more active than isoform 1.

Storage

Shipped at conditions	Conditional Ambient
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

What is this antibody validated in?
Anti-MEF2A + MEF2C antibody [EPR19089-34] (ab197070) is a rabbit recombinant monoclonal antibody and is validated for use in Western Blot (WB), Flow Cytometry (Intra), Immunohistochemistry (IHC-P), Immunocytochemistry/immunofluorescence (ICC/IF) in Human, Mouse, Rat samples.

What is the molecular weight of MEF2A?
Anti-MEF2A + MEF2C [EPR19089-34] (ab197070) specifically detects a band for MEF2A (UniProt: Q06413) at a molecular weight of 51kDa.

Trusted by the scientific community
Anti-MEF2A + MEF2C [EPR19089-34] (ab197070) was first used in a scientific publication in 2015 and has been cited over 10 times in peer-reviewed journals.

Specificity confirmed
The specificity of Anti-MEF2A + MEF2C antibody [EPR19089-34] (ab197070) has been confirmed by Western blot testing in MEF2C Knockout THP-1 cell line, ab313739.

Other related products
We have a range of other formats of antibody clone [EPR19089-34] also available for your convenience: ab197070, Carrier free - ab238446, Carrier free - ab282242

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.

Trial sizes available!
Test your antibody or perform pre-screening before committing to a larger quantity. Sold in 20µl. Discover our selection of trial-size antibodies.

Supplementary info

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

Activity summary	MEF2A (Myocyte Enhancer Factor 2A) and MEF2C (Myocyte Enhancer Factor 2C) are transcription factors belonging to the MEF2 family. MEF2A has a molecular mass of approximately 55 kDa while MEF2C is around 51 kDa. Both MEF2A and MEF2C modulate gene expression through direct binding to regulatory DNA sequences. These proteins express in numerous tissues including muscle brain and vascular tissues indicating their extensive role in various cellular processes. MEF2A and

	MEF2C closely relate due to their structural similarities and functional overlap often working in concert with similar cofactors and regulatory proteins.
Biological function summary	MEF2A and MEF2C regulate multiple cellular processes especially in muscle differentiation and neuronal development. They frequently form complexes with other transcriptional regulators and play a significant role in the activation and repression of target genes. Through their interaction with the regulatory regions of DNA they help coordinate the transcriptional response necessary for cell growth development and survival. Their important involvement in muscle and nervous system development positions them as central players in maintaining proper cellular function during these processes.
Pathways	MEF2A and MEF2C serve as integral components in the MAPK and calcium signaling pathways. These pathways impact cellular response to environmental stimuli and regulate critical processes such as cell growth and differentiation. Interacting proteins like HDACs (histone deacetylases) further modulate the activity of MEF2A and MEF2C affecting their ability to regulate gene expression in response to various signals. This relationship is essential because it sustains the balance between activation and repression of target genes within these pathways.
Associated diseases and disorders	MEF2A and MEF2C have significant implications in cardiovascular diseases and neurological disorders. Mutations or dysregulation in MEF2A often link to coronary artery disease highlighting its importance in cardiovascular health. Meanwhile MEF2C plays a role in autism spectrum disorders with abnormalities in its expression or function disrupting normal neuronal development. Both MEF2A and MEF2C interact with proteins such as GATA4 in the context of cardiac function and synaptic proteins for neuronal development respectively providing potential therapeutic targets for addressing the associated diseases and disorders.

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

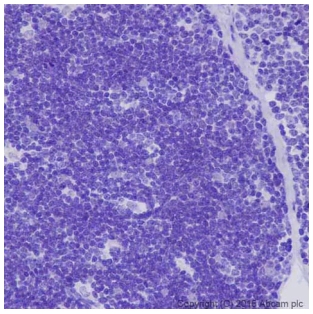
We do not recommend this combination. It is not covered by our product promise.

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.

17 product images

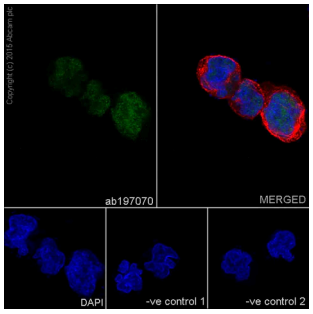


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MEF2A + MEF2C antibody [EPR19089-34] (ab197070)

MEF2A + MEF2C Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-MEF2A + MEF2C antibody

Immunohistochemical analysis of paraffin-embedded Human thymus tissue labeling MEF2C with ab197070 at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution. Negative staining on normal Human thymus is observed. Counter stained with Hematoxylin.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



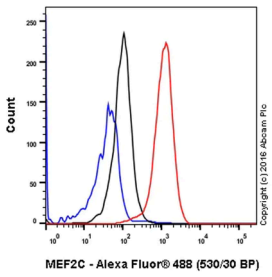
Immunocytochemistry/ Immunofluorescence - Anti-MEF2A + MEF2C antibody [EPR19089-34] (ab197070)

MEF2A + MEF2C Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-MEF2A + MEF2C antibody

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized Raji (Human Burkitt's lymphoma cell line) cells labeling MEF2C with ab197070 at 1/250 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (ab150077) secondary antibody at 1/1000 dilution (green). Confocal image showing nuclear staining on Raji cell line. The nuclear counterstain 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 1/1000 dilution (red).
The negative controls are as follows:-

-ve control 1: ab197070 at 1/250 dilution followed by ab150120 (AlexaFluor®594 Goat anti-Mouse secondary) at 1/1000 dilution.

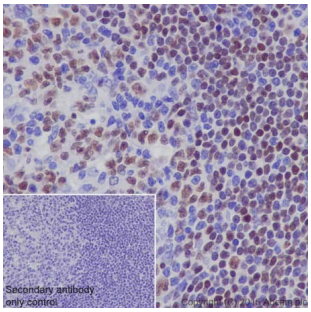
-ve control 2: ab7291 (anti-Tubulin mouse mAb) at 1/1000 dilution followed by ab150077 (Alexa Fluor®488 Goat Anti-Rabbit IgG H&L) at 1/1000 dilution.



Flow Cytometry (Intracellular) - Anti-MEF2A + MEF2C antibody [EPR19089-34] (ab197070)

MEF2A + MEF2C Flow Cytometry (Intracellular) staining using rabbit Anti-MEF2A + MEF2C antibody

Intracellular Flow Cytometry analysis of Raji (human Burkitt's lymphoma) labelling MEF2A + MEF2C with purified ab197070 at 1/30 (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. Alexa Fluor® 488 goat anti-rabbit IgG (1/2000) was used as the secondary antibody. Black - Isotype control, rabbit monoclonal IgG. Blue - Unlabelled control, cells without incubation with primary and secondary antibodies.

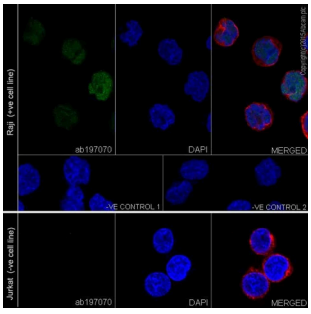


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MEF2A + MEF2C antibody [EPR19089-34] (ab197070)

MEF2A + MEF2C Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-MEF2A + MEF2C antibody

Immunohistochemical analysis of paraffin-embedded Human tonsil tissue labeling MEF2C with ab197070 at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution. Nuclear staining on B lymphocytes of the Human tonsil 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.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



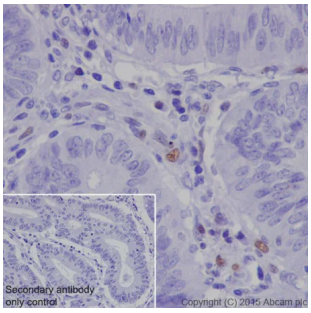
Immunocytochemistry/ Immunofluorescence - Anti-MEF2A + MEF2C antibody [EPR19089-34] (ab197070)

MEF2A + MEF2C Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-MEF2A + MEF2C antibody

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized Raji (Human Burkitt's lymphoma cell line) and Jurkat (Human T cell leukemia cells from peripheral blood) cells labeling MEF2C with ab197070 at 1/250 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (ab150077) secondary antibody at 1/1000 dilution (green). Confocal image showing nuclear staining on Raji cell line. Negative expression in Jurkat cells. The nuclear counterstain 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 1/1000 dilution (red).
The negative controls are as follows:-

-ve control 1: ab197070 at 1/250 dilution followed by ab150120 (AlexaFluor®594 Goat anti-Mouse secondary) at 1/1000 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 1/1000 dilution.

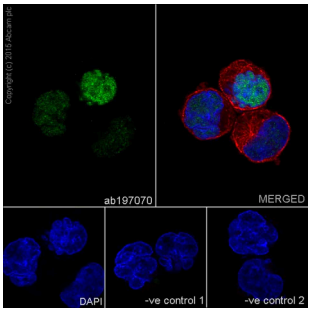


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MEF2A + MEF2C antibody [EPR19089-34] (ab197070)

MEF2A + MEF2C Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-MEF2A + MEF2C antibody

Immunohistochemical analysis of paraffin-embedded Human colonic adenocarcinoma tissue labeling MEF2C with ab197070 at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution. Nucleus staining on lymphocytes of the colonic adenocarcinoma 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.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



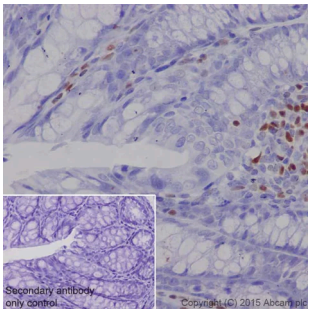
Immunocytochemistry/ Immunofluorescence - Anti-MEF2A + MEF2C antibody [EPR19089-34] (ab197070)

MEF2A + MEF2C Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-MEF2A + MEF2C antibody

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized K562 (Human chronic myelogenous leukemia cells from bone marrow) cells labeling MEF2C with ab197070 at 1/250 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (ab150077) secondary antibody at 1/1000 dilution (green). Confocal image showing nuclear staining on K562 cell line. The nuclear counterstain 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 1/1000 dilution (red).
The negative controls are as follows:-

-ve control 1: ab197070 at 1/250 dilution followed by ab150120 (AlexaFluor®594 Goat anti-Mouse secondary) at 1/1000 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 1/1000 dilution.

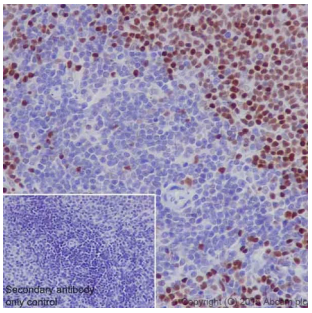


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MEF2A + MEF2C antibody [EPR19089-34] (ab197070)

MEF2A + MEF2C Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-MEF2A + MEF2C antibody

Immunohistochemical analysis of paraffin-embedded Mouse colon tissue labeling MEF2C with ab197070 at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution. Negative staining on the mouse colon epithelium, the lymphocytes on the interstitial substance showed nuclear staining. 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.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

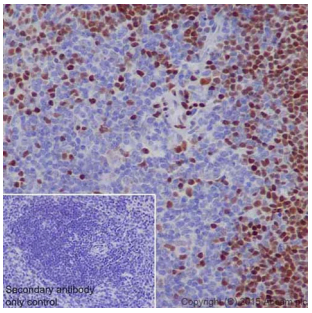


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MEF2A + MEF2C antibody [EPR19089-34] (ab197070)

MEF2A + MEF2C Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-MEF2A + MEF2C antibody

Immunohistochemical analysis of paraffin-embedded Rat spleen tissue labeling MEF2C with ab197070 at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution. Nuclear staining on B lymphocytes of the rat spleen, the T cells in the periarterial lymphatic sheath showed negative staining. 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.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

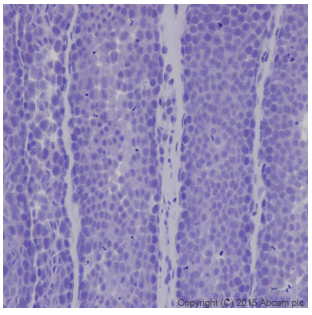


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MEF2A + MEF2C antibody [EPR19089-34] (ab197070)

MEF2A + MEF2C Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-MEF2A + MEF2C antibody

Immunohistochemical analysis of paraffin-embedded Mouse spleen tissue labeling MEF2C with ab197070 at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution. Nuclear staining on B lymphocytes of the mouse spleen, the T cells in the periarterial lymphatic sheath showed negative staining. 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.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

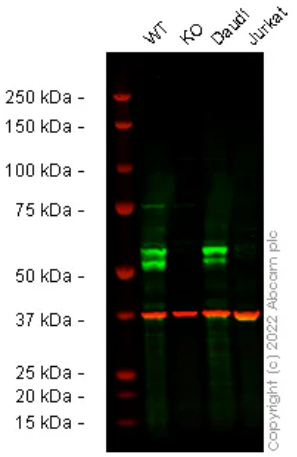


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MEF2A + MEF2C antibody [EPR19089-34] (ab197070)

MEF2A + MEF2C Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-MEF2A + MEF2C antibody

Immunohistochemical analysis of paraffin-embedded Rat testis tissue labeling MEF2C with ab197070 at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution. Negative staining on rat testis is observed. Counter stained with Hematoxylin.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western blot - Anti-MEF2A + MEF2C antibody [EPR19089-34] (ab197070)

MEF2A + MEF2C Western blot staining using rabbit Anti-MEF2A + MEF2C antibody

False colour image of Western blot: Anti-MEF2A + MEF2C antibody [EPR19089-34] staining at 1/1000 dilution, shown in green; Mouse anti-GAPDH antibody [6C5] (ab8245) loading control staining at 1/20000 dilution, shown in red. In Western blot, ab197070 was shown to bind specifically to MEF2C. A band was observed at 55/60 kDa in wild-type THP-1 cell lysates with no signal observed at this size in MEF2C knockout cell line (ab313739). To generate this image, wild-type and MEF2C knockout THP-1 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-MEF2A + MEF2C antibody [EPR19089-34] (ab197070) at 1/1000 dilution

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

Lane 2:
MEF2C knockout THP-1 cell lysate at 20 µg

Lane 3:
Daudi cell lysate at 20 µg

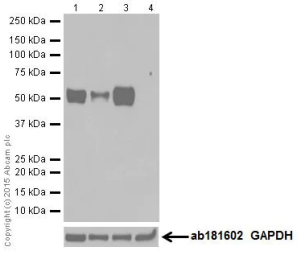
Lane 4:
Jurkat cell lysate at 20 µg

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: 55/60 kDa, 37 kDa



Western blot - Anti-MEF2A + MEF2C antibody [EPR19089-34] (ab197070)

Blocking/Dilution buffer: 5% NFDM/TBST.
MEF2C is expressed specifically in cells from B-lymphocyte lineage but not T cell lineage. Jurkat cell lysate serves as a negative control (PMID: 9798649).

The 50-60KD bands observed are consistent with what has been described in the literature (PMID: 18450586)

All lanes:
Western blot - Anti-MEF2A + MEF2C antibody [EPR19089-34] (ab197070) at 1/1000 dilution

Lane 1:
Raji (Human Burkitt's lymphoma cell line) whole cell lysate at 20 µg

Lane 2:
Ramos (Human Burkitt's lymphoma cell line) whole cell lysate at 20 µg

Lane 3:
Daudi (Human Burkitt's lymphoma cell line) whole cell lysate at 20 µg

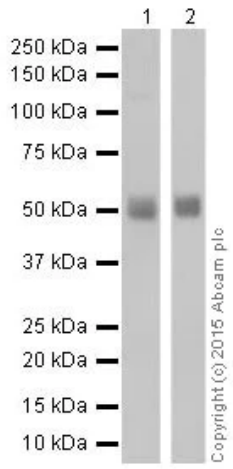
Lane 4:
Jurkat (Human T cell leukemia cells from peripheral blood) whole cell lysate at 20 µg

Secondary

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

Observed band size: 50-60 kDa

Exposure time: 3min



Western blot - Anti-MEF2A + MEF2C antibody [EPR19089-34] (ab197070)

Blocking/Dilution buffer: 5% NFDM/TBST.
Exposure time: Lane 1: 15 seconds; Lane 2: 30 seconds.

The 50-60KD bands observed are consistent with what has been described in the literature (PMID: 18450586).

All lanes:
Western blot - Anti-MEF2A + MEF2C antibody [EPR19089-34] (ab197070) at 1/1000 dilution

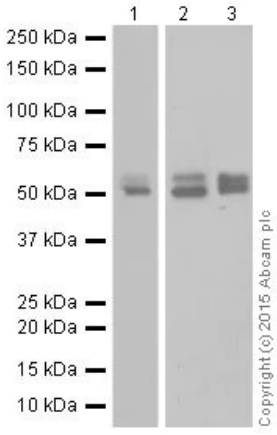
Lane 1:
C6 (Rat glial tumor cells) whole cell lysate at 10 µg

Lane 2:
Raw264.7 (Mouse macrophage cells transformed with Abelson murine leukemia virus) whole cell lysate at 10 µg

Secondary

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

Observed band size: 50-60 kDa



Western blot - Anti-MEF2A + MEF2C antibody [EPR19089-34] (ab197070)

Blocking/Dilution buffer: 5% NFDM/TBST.
Exposure time: Lane 1: 1minute; Lane 2 and 3: 3minutes.

The 50-60KD bands observed are consistent with what has been described in the literature (PMID: 18450586).

All lanes:
Western blot - Anti-MEF2A + MEF2C antibody [EPR19089-34] (ab197070) at 1/1000 dilution

Lane 1:
Mouse brain lysate at 10 µg

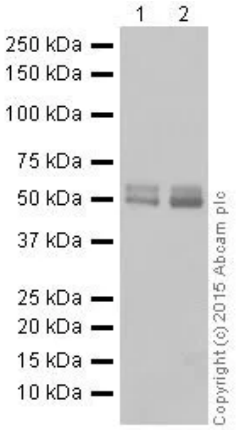
Lane 2:
Rat brain lysate at 10 µg

Lane 3:
Rat spleen lysate at 10 µg

Secondary

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

Observed band size: 50-60 kDa



Western blot - Anti-MEF2A + MEF2C antibody [EPR19089-34] (ab197070)

MEF2A + MEF2C Western blot staining using rabbit Anti-MEF2A + MEF2C antibody

Blocking/Dilution buffer: 5% NFDM/TBST.
The 50-60KD bands observed are consistent with what has been described in the literature (PMID: 18450586)

All lanes:
Western blot - Anti-MEF2A + MEF2C antibody [EPR19089-34] (ab197070) at 1/5000 dilution

Lane 1:
Mouse cerebral cortex lysate at 20 µg

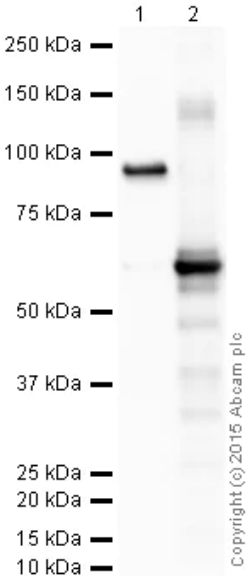
Lane 2:
Rat cerebral cortex lysate at 20 µg

Secondary

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

Observed band size: 50-60 kDa

Exposure time: 15s



Western blot - Anti-MEF2A + MEF2C antibody [EPR19089-34] (ab197070)

ab197070 recognizes the full length tagged recombinant proteins MEF2A and MEF2C which have expected molecular weights of 83 and 55 kDa respectively.
This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 2% Bovine Serum Albumin before being incubated with ab197070 overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP, and visualised using ECL development solution ab133406.

All lanes:
Western blot - Anti-MEF2A + MEF2C antibody [EPR19089-34] (ab197070) at 1/1000 dilution

Lane 1:
Recombinant Human MEF2A protein (ab152519) at 0.1 µg

Lane 2:
Human MEF2C full length protein at 0.1 µg

Secondary

All lanes:
Goat Anti-Rabbit IgG H&L (HRP) preadsorbed at 1/50000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Observed band size: 55 kDa, 83 kDa

Exposure time: 1min

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