

Product datasheet

Anti-MEF2A + MEF2C antibody [EPR19089-34] - BSA and Azide free ab238446

Recombinant RabMAb

11 Images

Overview

Product name	Anti-MEF2A + MEF2C antibody [EPR19089-34] - BSA and Azide free
Description	Rabbit monoclonal [EPR19089-34] to MEF2A + MEF2C - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB, IHC-P, Flow Cyt
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant fragment within Human MEF2C aa 250 to the C-terminus. The exact sequence is proprietary. Database link: Q06413
Positive control	IHC-P: Human tonsil and colonic adenocarcinoma tissues; Mouse spleen and colon tissues; Rat spleen tissue. ICC/IF: K562 and Raji cells. Flow Cyt: Raji cells.
General notes	<p>Ab238446 is the carrier-free version of ab197070. This format is designed for use in antibody labeling, including fluorochromes, metal isotopes, oligonucleotides, enzymes.</p> <p>Our carrier-free formats are supplied in a buffer free of BSA, sodium azide and glycerol for higher conjugation efficiency.</p> <p>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.</p> <p>ab238446 is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm.</p> <p><i>Maxpar® is a trademark of Fluidigm Canada Inc.</i></p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR19089-34
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab238446** in the following tested applications.

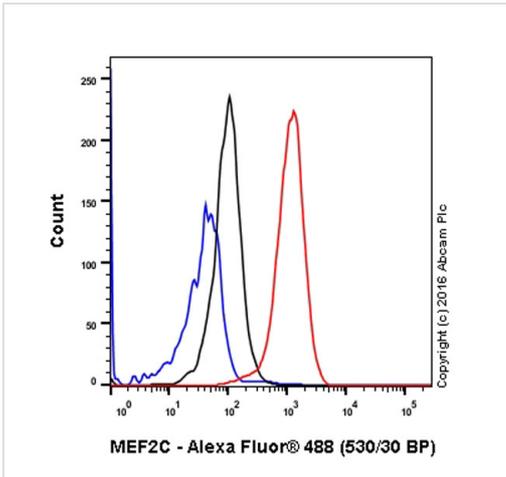
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 50-60 kDa (predicted molecular weight: 51 kDa).
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
Flow Cyt		Use at an assay dependent concentration.

Target

Cellular localization	MEF2A: Nucleus. MEF2C: Nucleus.
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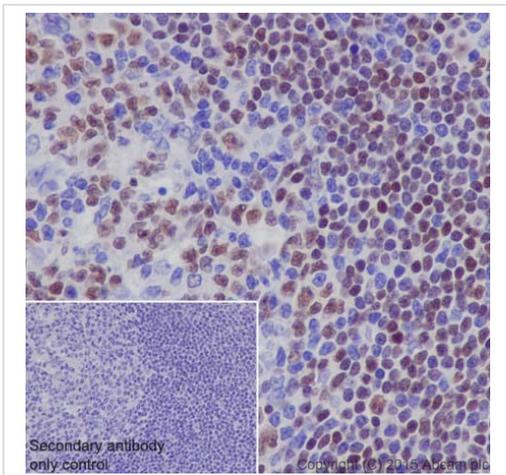
Images



Flow Cytometry - Anti-MEF2A + MEF2C antibody
[EPR19089-34] - BSA and Azide free (ab238446)

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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab197070](#)).



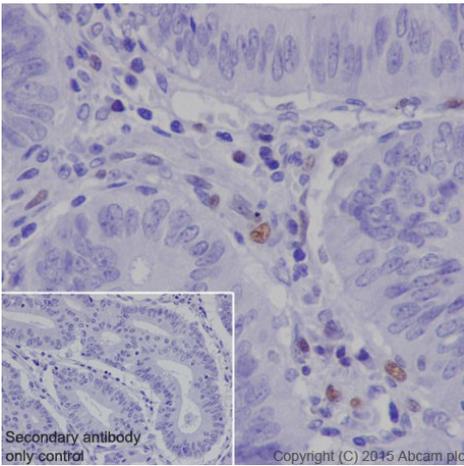
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MEF2A + MEF2C antibody [EPR19089-34] - BSA and Azide free (ab238446)

Immunohistochemical analysis of paraffin-embedded Human tonsil tissue labelling 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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab197070](#)).

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



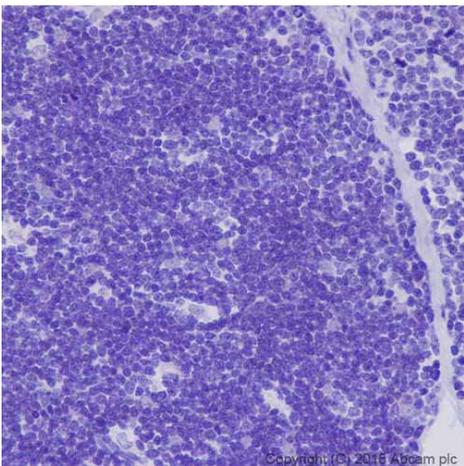
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MEF2A + MEF2C antibody [EPR19089-34] - BSA and Azide free (ab238446)

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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab197070](#)).

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

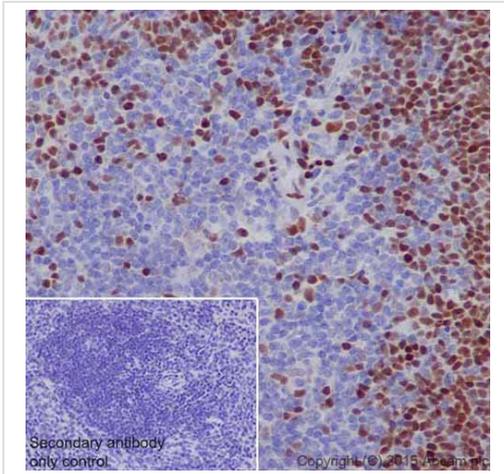


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MEF2A + MEF2C antibody [EPR19089-34] - BSA and Azide free (ab238446)

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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab197070](#)).

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



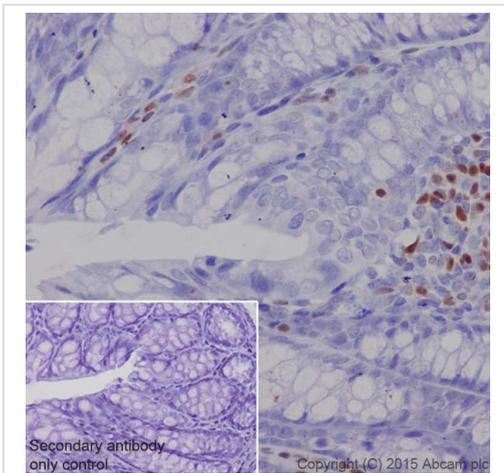
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MEF2A + MEF2C antibody [EPR19089-34] - BSA and Azide free (ab238446)

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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab197070](#)).

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



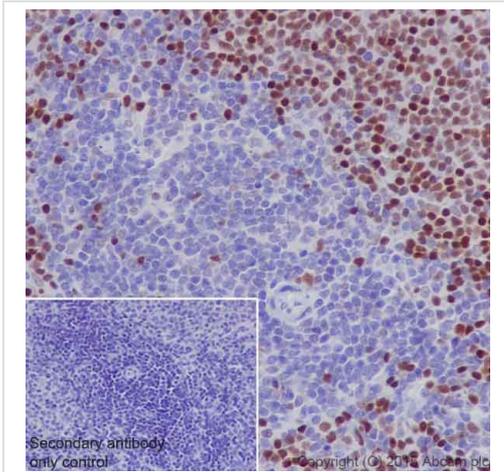
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MEF2A + MEF2C antibody [EPR19089-34] - BSA and Azide free (ab238446)

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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab197070](#)).

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



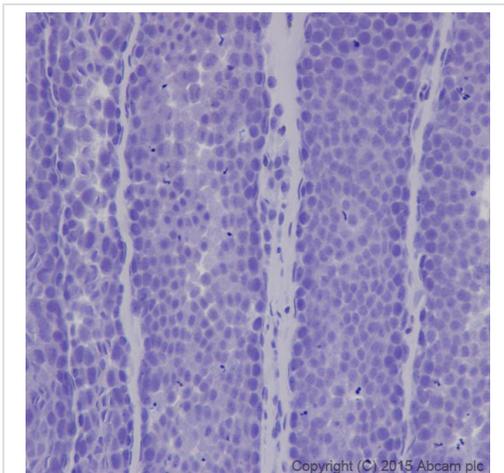
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MEF2A + MEF2C antibody [EPR19089-34] - BSA and Azide free (ab238446)

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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab197070](#)).

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

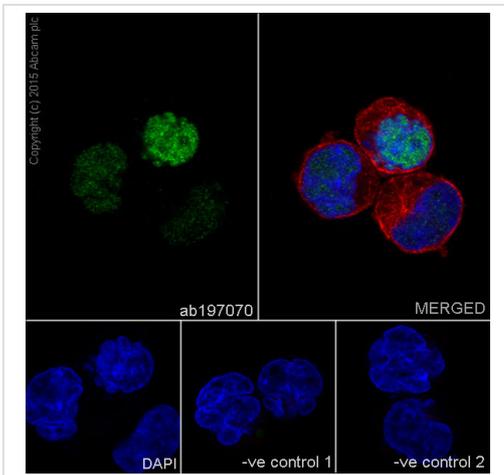


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MEF2A + MEF2C antibody [EPR19089-34] - BSA and Azide free (ab238446)

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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab197070](#)).

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] - BSA and Azide free (ab238446)

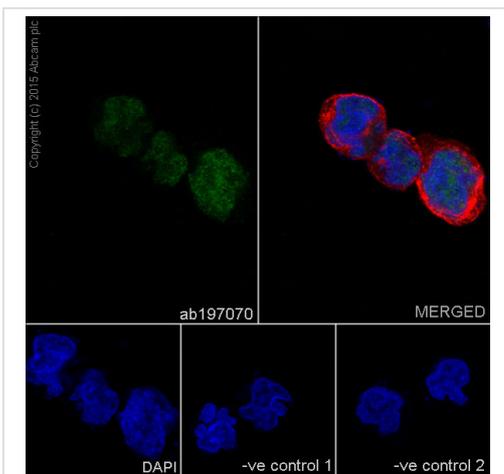
Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized K562 (Human chronic myelogenous leukemia cells from bone marrow) cells labeling MEF2C with [ab197070](#) at 1/250 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) ([ab150077](#)) secondary antibody at 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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab197070](#)).



Immunocytochemistry/ Immunofluorescence - Anti-MEF2A + MEF2C antibody [EPR19089-34] - BSA and Azide free (ab238446)

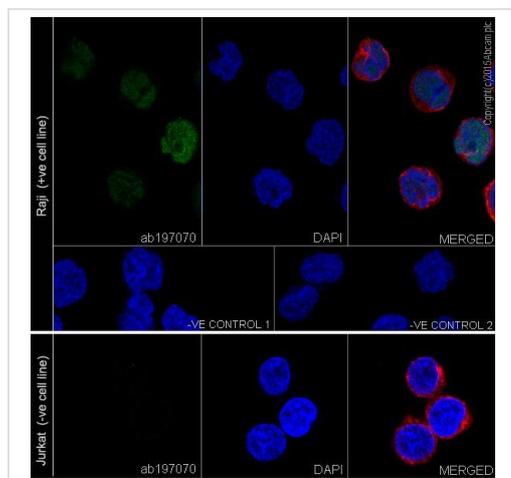
Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized Raji (Human Burkitt's lymphoma cell line) cells labeling MEF2C with [ab197070](#) at 1/250 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) ([ab150077](#)) secondary antibody at 1/1000 dilution (green). 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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab197070](#)).



Immunocytochemistry/ Immunofluorescence - Anti-MEF2A + MEF2C antibody [EPR19089-34] - BSA and Azide free (ab238446)

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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab197070](#)).

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