

Anti-PRDM4/PFM1 antibody [EPR9432] - BSA and Azide free ab249281

Recombinant RabMAb

7 Images

Overview

Product name	Anti-PRDM4/PFM1 antibody [EPR9432] - BSA and Azide free
Description	Rabbit monoclonal [EPR9432] to PRDM4/PFM1 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: IHC-P, ICC/IF, WB Unsuitable for: Flow Cyt or IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab249281 is the carrier-free version of ab156867.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>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.</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>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.</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. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Affinity purified
Clonality	Monoclonal
Clone number	EPR9432
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab249281 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

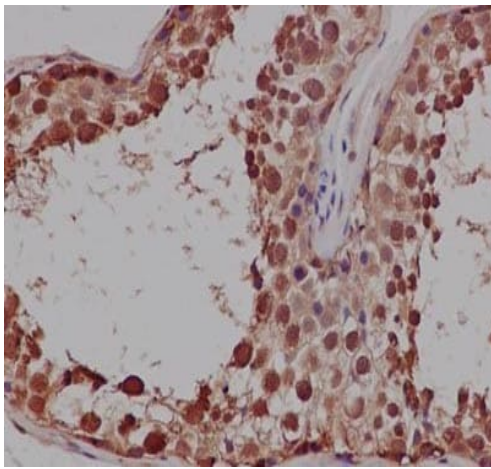
Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
ICC/IF		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 88 kDa.

Application notes Is unsuitable for Flow Cyt or IP.

Target

Function	May function as a transcription factor involved in cell differentiation.
Tissue specificity	Expressed in many tissues. Highly expressed in ovary, testis, pancreas, brain, heart and prostate.
Sequence similarities	Contains 6 C2H2-type zinc fingers. Contains 1 SET domain.
Cellular localization	Nucleus.

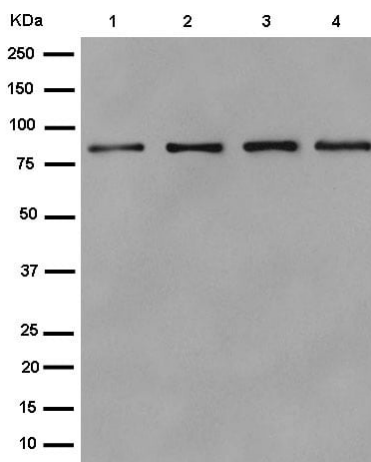
Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PRDM4/PFM1 antibody [EPR9432] - BSA and Azide free (ab249281)

This data was developed using [ab156867](#), the same antibody clone in a different buffer formulation.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human testis tissue labelling PRDM1/PFM1 with [ab156867](#) at 1/500. An ImmunoHistoprobe (Ready to use) HRP polymer for Rabbit IgG was used as the secondary antibody. Tissue was counterstained with Hematoxylin. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Western blot - Anti-PRDM4/PFM1 antibody [EPR9432] - BSA and Azide free (ab249281)

All lanes : Anti-PRDM4/PFM1 antibody [EPR9432] ([ab156867](#)) at 1/1000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : 293 cell lysate

Lane 3 : PC-3 cell lysate

Lane 4 : SH-SY5Y cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

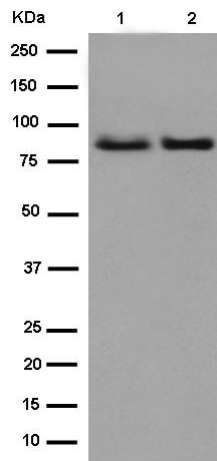
All lanes : Peroxidase-conjugated goat anti-rabbit IgG (H+L) at 1/1000 dilution

Predicted band size: 88 kDa

Observed band size: 88 kDa

This data was developed using [ab156867](#), the same antibody clone in a different buffer formulation.

Blocking and dilution buffer: 5% NFDM/TBST.



Western blot - Anti-PRDM4/PFM1 antibody
[EPR9432] - BSA and Azide free (ab249281)

All lanes : Anti-PRDM4/PFM1 antibody [EPR9432] ([ab156867](#)) at 1/1000 dilution

Lane 1 : Mouse heart tissue lysate

Lane 2 : Rat heart tissue lysate

Lysates/proteins at 10 µg per lane.

Secondary

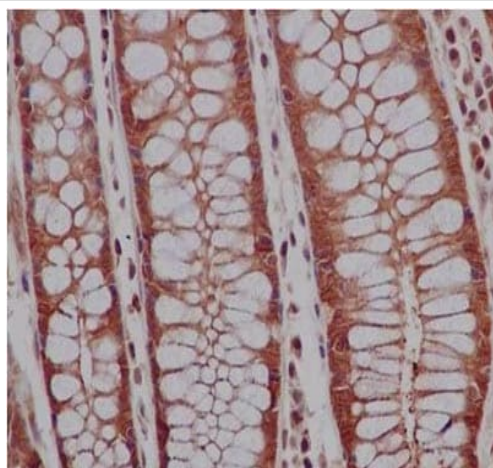
All lanes : Peroxidase-conjugated goat anti-rabbit IgG (H + L) at 1/1000 dilution

Predicted band size: 88 kDa

Observed band size: 88 kDa

This data was developed using [ab156867](#), the same antibody clone in a different buffer formulation.

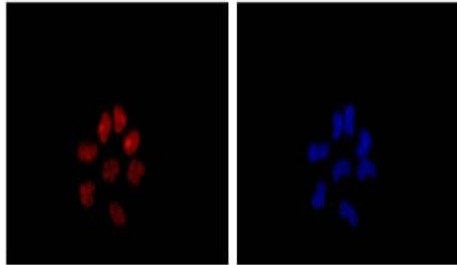
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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PRDM4/PFM1 antibody
[EPR9432] - BSA and Azide free (ab249281)

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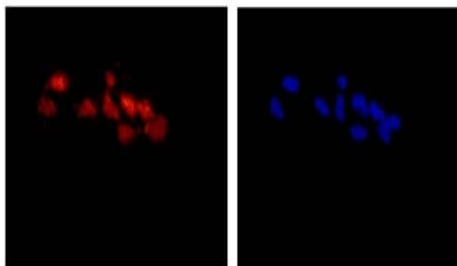
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human colon tissue labelling PRDM1/PFM1 with [ab156867](#) at 1/500. An ImmunoHistoprobe (Ready to use) HRP polymer for Rabbit IgG was used as the secondary antibody. Tissue was counterstained with Hematoxylin. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunofluorescent staining of HeLa cells using anti-PRDM4 Alexa Fluor®555 RabMAB Immunofluorescent staining of HeLa cells using Dapi (blue).

Immunocytochemistry/ Immunofluorescence - Anti-PRDM4/PFM1 antibody [EPR9432] - BSA and Azide free (ab249281)

This data was developed using [**ab156867**](#), the same antibody clone in a different buffer formulation. Immunocytochemistry/Immunofluorescence analysis of HeLa cells labelling PRDM4/PFM1 with [**ab156867**](#) at 1/250. Cells were fixed with 4% paraformaldehyde. An Alexa Fluor® 555-conjugated goat anti-rabbit IgG (1/200) was used as the secondary antibody. Counterstained with DAPI.



Immunofluorescent staining of 293 cells using anti-PRDM4 Alexa Fluor®555 RabMAB Immunofluorescent staining of 293 cells using Dapi (blue).

Immunocytochemistry/ Immunofluorescence - Anti-PRDM4/PFM1 antibody [EPR9432] - BSA and Azide free (ab249281)

This data was developed using [**ab156867**](#), the same antibody clone in a different buffer formulation. Immunocytochemistry/Immunofluorescence analysis of 293 cells labelling PRDM4/PFM1 with [**ab156867**](#) at 1/250. Cells were fixed with 4% paraformaldehyde. An Alexa Fluor® 555-conjugated goat anti-rabbit IgG (1/200) was used as the secondary antibody. Counterstained with DAPI.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

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Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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