

Product datasheet

Anti-PRDM1/Blimp1 antibody [EPR16655] ab198287

Recombinant RabMAb

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Overview

Product name	Anti-PRDM1/Blimp1 antibody [EPR16655]
Description	Rabbit monoclonal [EPR16655] to PRDM1/Blimp1
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, IHC-P Unsuitable for: Flow Cyt or WB
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC-P: Human diffuse large B cell lymphoma, tonsil and cerebral cortex tissues. IF: RAMOS cells.
General notes	<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	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR16655
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab198287 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		1/250.
IHC-P		1/500. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Application notes Is unsuitable for Flow Cyt or WB.

Target

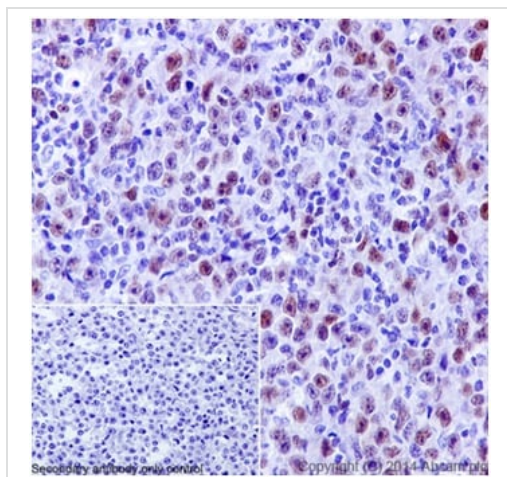
Function Transcriptional repressor that binds specifically to the PRDI element in the promoter of the beta-interferon gene (PubMed:1851123). Drives the maturation of B-lymphocytes into Ig secreting cells (PubMed:12626569).

Sequence similarities Belongs to the class V-like SAM-binding methyltransferase superfamily. Contains 4 C2H2-type zinc fingers. Contains 1 SET domain.

Post-translational modifications Sumoylation at Lys-816 by PIAS1 augments transcriptional repressor activity, and is critical for plasma cell differentiation. Ubiquitinated by the SCF(FBXO11) complex, leading to its degradation by the proteasome.

Cellular localization Nucleus. Cytoplasm.

Images

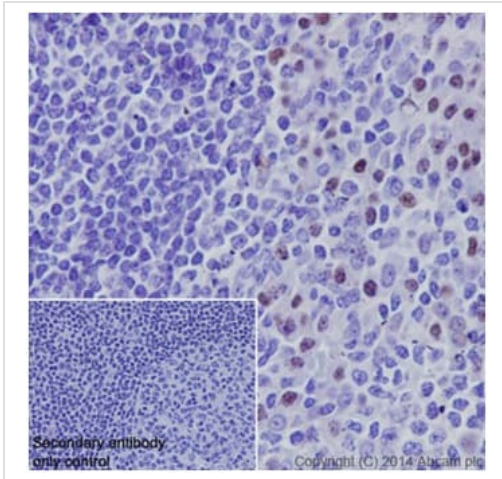


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PRDM1/Blimp1 antibody [EPR16655] (ab198287)

Immunohistochemical analysis of paraffin-embedded Human diffuse large B cell lymphoma tissue labeling PRDM1/Blimp1 using ab198287 at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution. Nuclear staining on Human diffuse large B cell lymphoma tissue is observed. Counter stained with Hematoxylin.

Negative 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.



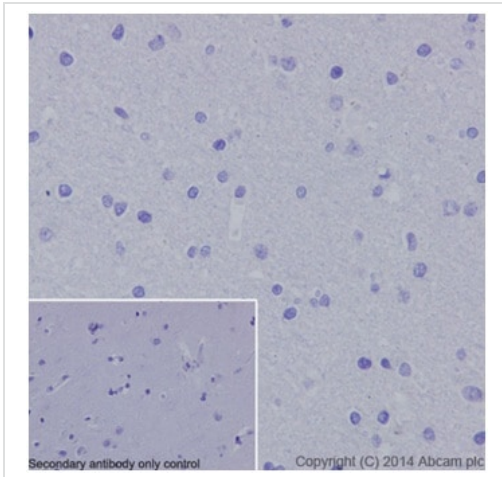
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PRDM1/Blimp1 antibody [EPR16655] (ab198287)

Immunohistochemical analysis of paraffin-embedded Human tonsil tissue labeling PRDM1/Blimp1 using ab198287 at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution. Nuclear staining on Human tonsil tissue is observed.

Counter stained with Hematoxylin.

Negative 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.

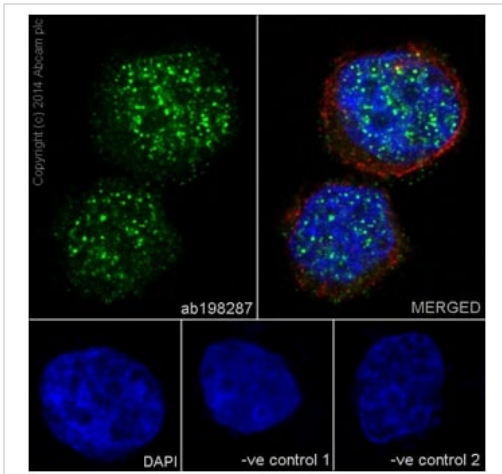


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PRDM1/Blimp1 antibody [EPR16655] (ab198287)

Immunohistochemical analysis of paraffin-embedded Human cerebral cortex tissue labeling PRDM1/Blimp1 using ab198287 at 1/500 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution. Nuclear staining on Human cerebral cortex tissue is observed. Counter stained with Hematoxylin.

Negative 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-PRDM1/Blimp1 antibody [EPR16655] (ab198287)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized RAMOS (Human Burkitt's lymphoma cell line) cells, labeling PRDM1/Blimp1 with ab198287 at 1/250 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/500 dilution (green). Nuclear and weakly cytoplasm staining on RAMOS cell line was observed. 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:

1. ab198287 at 1/250 dilution followed by **ab150120** (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 dilution.
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.

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-PRDM1/Blimp1 antibody [EPR16655] (ab198287)

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

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