


Product datasheet

Anti-PRDM1/Blimp1 antibody ab13700

★★★★★ [5 Abreviews](#) [10 References](#) [1 Image](#)

Overview

Product name	Anti-PRDM1/Blimp1 antibody
Description	Goat polyclonal to PRDM1/Blimp1
Host species	Goat
Tested applications	Suitable for: ICC, ChIP, Flow Cyt
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Cow, Dog, Pig 
Immunogen	Synthetic peptide corresponding to Human PRDM1/Blimp1 aa 800 to the C-terminus (C terminal). Database link: O75626 Run BLAST with Run BLAST with
Positive control	ICC: A431 cells
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</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. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.3 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
Purity	Immunogen affinity purified
Purification notes	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Clonality	Polyclonal

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab13700 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		Use a concentration of 10 µg/ml.
ChIP		Use at an assay dependent concentration. PubMed: 17264218
Flow Cyt	★★★★★ (1)	Use at an assay dependent concentration. ab37373 - Goat polyclonal IgG, is suitable for use as an isotype control with this antibody.

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.

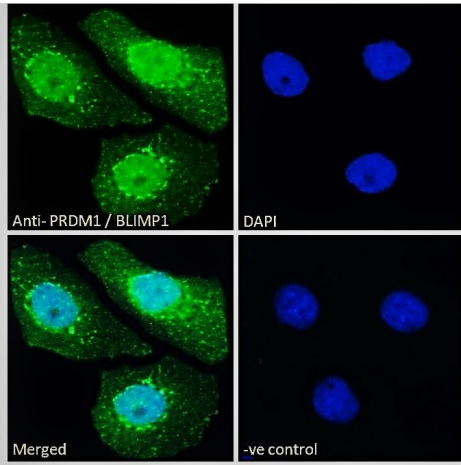
Post-translational modifications

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



Immunocytochemistry - Anti-PRDM1/Blimp1 antibody (ab13700)

Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

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

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