




# Anti-PRDM1/Blimp1 antibody ab106766

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### Overview

<b>Product name</b>	Anti-PRDM1/Blimp1 antibody
<b>Description</b>	Goat polyclonal to PRDM1/Blimp1
<b>Host species</b>	Goat
<b>Tested applications</b>	<b>Suitable for:</b> WB, Flow Cyt (Intra), ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat, Cow, Dog, Pig 
<b>Immunogen</b>	Synthetic peptide: C-DISDNADRLEDVED , corresponding to internal sequence amino acids 734-747 of Human PRDM1/Blimp1 (NP_001189.2) <div>  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a> </div>
<b>Positive control</b>	Flow Cyt (Intra): A431 cells.
<b>General notes</b>	<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&amp;As</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

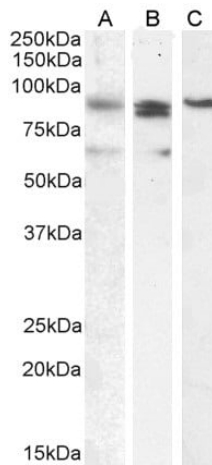
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab106766 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
<b>WB</b>		Use a concentration of 0.5 - 1.5 µg/ml. Detects a band of approximately 90 kDa (predicted molecular weight: 92 kDa). 1 hour primary incubation is recommended for this product.
<b>Flow Cyt (Intra)</b>		Use a concentration of 10 µg/ml.
<b>ICC/IF</b>		Use a concentration of 10 µg/ml.

## Target

<b>Function</b>	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).
<b>Sequence similarities</b>	Belongs to the class V-like SAM-binding methyltransferase superfamily. Contains 4 C2H2-type zinc fingers. Contains 1 SET domain.
<b>Post-translational modifications</b>	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.
<b>Cellular localization</b>	Nucleus. Cytoplasm.

## Images



Western blot - Anti-PRDM1/Blimp1 antibody (ab106766)

**All lanes :** Anti-PRDM1/Blimp1 antibody (ab106766) at 0.1 µg/ml

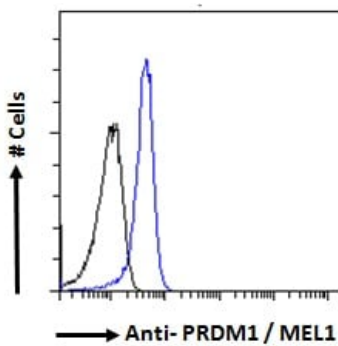
**Lane 1 :** A431 cell lysate

**Lane 2 :** K562 cell lysate

**Lane 3 :** K562 nuclear lysate

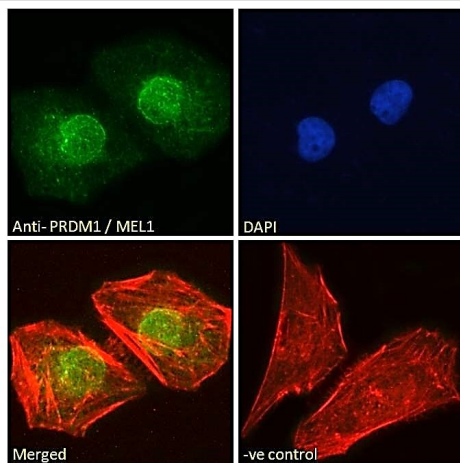
Lysates/proteins at 35 µg per lane.

**Predicted band size:** 92 kDa



Flow Cytometry (Intracellular) - Anti-PRDM1/Blimp1 antibody (ab106766)

Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation with ab106766 1hr (10 µg/ml) followed by Alexa Fluor 488 secondary antibody (1 µg/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



Immunocytochemistry/ Immunofluorescence - Anti-PRDM1/Blimp1 antibody (ab106766)

Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation with ab106766 for 1hr (10 µg/ml) followed by Alexa Fluor 488 secondary antibody (2 µg/ml), showing nuclear staining. Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 µg/ml) followed by Alexa Fluor 488 secondary antibody (2 µg/ml).



Anti-PRDM1/Blimp1 antibody (ab106766) at 0.3 µg/ml + A431  
lysate in RIPA buffer at 35 µg

Developed using the ECL technique.

**Predicted band size:** 92 kDa

**Observed band size:** 90 kDa

**Exposure time:** 1 hour

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

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