

## ARG55270 anti-PRDM1 / Blimp 1 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes PRDM1 / Blimp 1
Tested Reactivity	Hu, Ms
Predict Reactivity	Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PRDM1 / Blimp 1
Species	Human
Immunogen	Synthetic peptide (17 aa) within aa. 100-150 of Human PRDM1 / Blimp1.
Conjugation	Un-conjugated
Alternate Names	Beta-interferon gene positive regulatory domain I-binding factor; PR domain zinc finger protein 1; BLIMP-1; BLIMP1; PRDI-binding factor 1; PR domain-containing protein 1; EC 2.1.1.-; PRDI-BF1; Positive regulatory domain I-binding factor 1

### Application Instructions

Application table	Application	Dilution
	IHC-P	5 µg/ml
	WB	0.5 - 1 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse Lung Tissue Lysate	

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS and 0.02% Sodium azide
Preservative	0.02% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Database links

[GeneID: 12142 Mouse](#)

[GeneID: 639 Human](#)

[Swiss-port # O75626 Human](#)

[Swiss-port # Q60636 Mouse](#)

Gene Symbol

PRDM1

Gene Full Name

PR domain containing 1, with ZNF domain

Background

This gene encodes a protein that acts as a repressor of beta-interferon gene expression. The protein binds specifically to the PRDI (positive regulatory domain I element) of the beta-IFN gene promoter. Transcription of this gene increases upon virus induction. Two alternatively spliced transcript variants that encode different isoforms have been reported. [provided by RefSeq, Jul 2008]

Function

Transcriptional repressor that binds specifically to the PRDI element in the promoter of the beta-interferon gene. Drives the maturation of B-lymphocytes into Ig secreting cells. [UniProt]

Research Area

Gene Regulation antibody; Immune System antibody

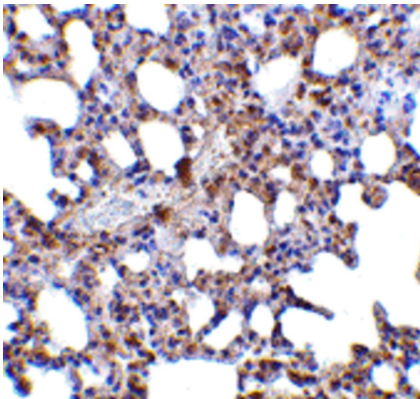
Calculated Mw

92 kDa

PTM

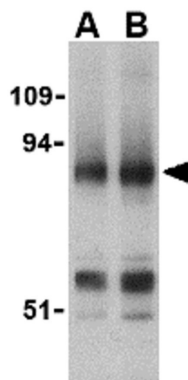
Sumoylation at Lys-816 by PIAS1 augments transcriptional repressor activity, and is critical for plasma cell differentiation. Ubiquitinated by the SCF(FBXO11) complex, leading to its degradation by the proteasome.

## Images



ARG55270 anti-PRDM1 / Blimp 1 antibody IHC-P image

Immunohistochemistry: Mouse lung tissue stained with ARG55270 anti-PRDM1 / Blimp 1 antibody at 5 µg/ml dilution.



ARG55270 anti-PRDM1 / Blimp 1 antibody WB image

Western blot: Mouse lung tissue lysate stained with ARG55270 anti-PRDM1 / Blimp 1 antibody.