

Rabbit Blimp-1 Polyclonal Antibody | anti-PRDM1 antibody

Blimp-1 Antibody

CATALOG # AAA39389	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot, ELISA
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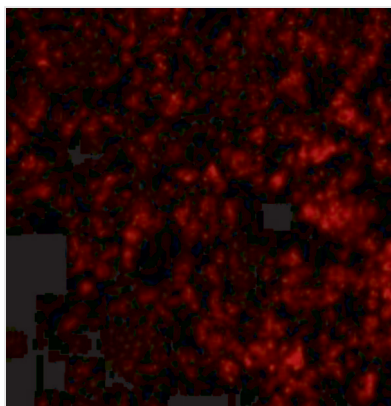
PRODUCT SYNONYMS

Blimp-1; Polyclonal Antibody; Blimp-1 Antibody; BLIMP1; PRDI-BF1; PR domain zinc finger protein 1; BLIMP-1; PR domain containing 1; with ZNF domain; anti-PRDM1 antibody

PRODUCT SPECIFICATIONS

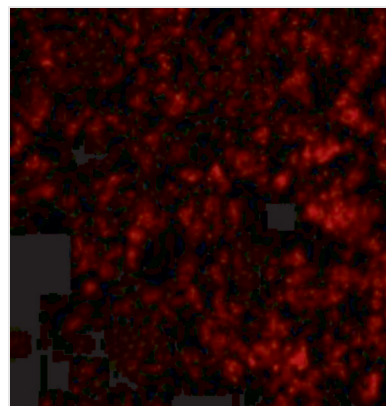
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Blimp-1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	825
Applicable Applications for anti-PRDM1 antibody	IF (Immunofluorescence), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	Blimp-1 antibody was raised against a 14 amino acid peptide from near the carboxy terminus of human Blimp-1.
Buffer	Blimp-1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Blimp-1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



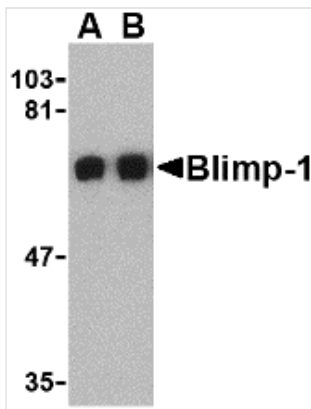
IF (Immunofluorescence)

Immunofluorescence of Blimp-1 in Mouse Lung cells with Blimp-1 antibody at 20 μg/mL.



IF (Immunofluorescence)

Immunofluorescence of Blimp-1 in mouse lung tissue with Blimp-1 antibody at 20 μg/mL.



WB (Western Blot)
 Western blot analysis of Blimp-1 in A549 cell lysate with Blimp-1 antibody at (A) 0.5 and (B) 1 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-PRDM1 antibody	Blimp-1 Antibody: Blimp-1 was initially identified as a zinc finger-containing protein that drives the maturation of B lymphocytes into immunoglobulin-secreting cells. Together with X-box-binding protein 1 (XBP1), Blimp-1 is induced upon terminal differentiation of plasma cells. The transcriptional repressor activity of Blimp-1 has also been found to regulate T cell homeostasis and function, possibly by suppressing the expression of the cytokines IL-2 and interferon-gamma during T cell development. More recent experiments have suggested that Blimp-1 also plays a major role in the formation of primordial germ cells (PGC) in developing mammalian embryos. In these experiments, Blimp-1-deficient mutant mouse embryos form a cluster of PGC-like cells which fail to show the expected migration, proliferation, and repression of homeobox genes that normally accompany specification of primordial germ cells.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	172072684
NCBI GeneID	639
NCBI Accession #	NP_001189
NCBI GenBank Nucleotide #	NM_001198.3
UniProt Accession #	O75626; Q86WM7; B2REA6; E1P5E0
Molecular Weight	76,835 Da
NCBI Official Full Name	PR domain zinc finger protein 1 isoform 1
NCBI Official Synonym Full Names	PR domain containing 1, with ZNF domain
NCBI Official Symbol	PRDM1
NCBI Official Synonym Symbols	BLIMP1; PRDI-BF1
NCBI Protein Information	PR domain zinc finger protein 1; BLIMP-1; PRDI-binding factor-1; B-lymphocyte-induced maturation protein 1; beta-interferon gene positive-regulatory domain I binding factor
UniProt Protein Name	PR domain zinc finger protein 1
UniProt Gene Name	PRDM1
UniProt Synonym Gene Names	BLIMP1; PRDI-BF1; PRDI-binding factor 1
UniProt Entry Name	PRDM1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

