

Rabbit Blimp-1 Polyclonal Antibody | anti-Blimp-1 antibody

Blimp-1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329392	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig (92%), Bovine (92%), Horse (83%), Sheep (92%), Rabbit (100%), Dog (92%)	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

Blimp-1; Polyclonal Antibody; Blimp-1 Antibody; B Lymphocyte Induced Maturation Protein 1; Beta interferon gene positive regulatory domain I binding factor; Beta-interferon gene positive regulatory domain I-binding factor; BLIMP-1; BLIMP1; Positive Regulatory Domain I Binding Factor 1; Positive regulatory domain I-binding factor 1; PR Domain Containing 1; PR domain containing 1 with ZNF domain; PR domain containing 1 with ZNF domain isoform 2; PR domain containing protein 1; PR domain zinc finger protein 1; PR domain-containing protein 1; PRDI BF1; PRDI binding factor 1; PRDI-BF1; PRDI-binding factor 1; PRDM 1; Prdm1; PRDM1_HUMAN; anti-Blimp-1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (92%), Bovine (92%), Horse (83%), Sheep (92%), Rabbit (100%), Dog (92%)
Clonality	Polyclonal
Isotype	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Specificity	Blimp-1 Antibody detects endogenous levels of total Blimp-1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin
Form/Format	Liquid. Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-Blimp-1 antibody	ELISA (Peptide ELISA), ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Blimp-1, corresponding to a region within C-terminal amino acids.
Conjugation	Unconjugated
Fragment	Fab fragment
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.
Subunit Structure	Interacts with PRMT5 (By similarity). Interacts with FBXO10. Interacts with FBXO11.
Similarity	Belongs to the class V-like SAM-binding methyltransferase superfamily.
Subcellular Location	Nucleus. Cytoplasm.
Preparation and Storage	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

IMAGES



IF (Immunofluorescence)

Staining HEPC2 cells by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37 degree C. The primary antibody was diluted 1/200 and incubated with the sample for 1 hour at 37 degree C. A Alexa Fluor 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from JK and Raji cells using Blimp-1 Antibody

ADDITIONAL INFORMATION

Related Product Information for anti-Blimp-1 antibody

Transcription factor that mediates a transcriptional program in various innate and adaptive immune tissue-resident lymphocyte T cell types such as tissue-resident memory T (Trm), natural killer (trNK) and natural killer T (NKT) cells and negatively regulates gene expression of proteins that promote the egress of tissue-resident T-cell populations from non-lymphoid organs. Plays a role in the development, retention and long-term establishment of adaptive and innate tissue-resident lymphocyte T cell types in non-lymphoid organs, such as the skin and gut, but also in other nonbarrier tissues like liver and kidney, and therefore may provide immediate immunological protection against reactivating infections or viral reinfection (By similarity). Binds specifically to the PRDI element in the promoter of the beta-interferon gene. Drives the maturation of B-lymphocytes into Ig secreting cells. Associates with the transcriptional repressor ZNF683 to chromatin at gene promoter regions (By similarity). 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. NANOS3 function in human germ cell development.

NCBI AND UNIPROT INFORMATION

NCBI GI #	172072684
NCBI GeneID	639
NCBI Accession #	NP_001189.2
NCBI GenBank Nucleotide #	NM_001198.3
UniProt Accession #	O75626; Q86WM7; B2REA6; E1P5E0
Molecular Weight	825
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
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.