



## Rabbit Anti-PRDM1/ Blimp1 antibody

SL6466R

<b>Product Name:</b>	PRDM1/ Blimp1
<b>Chinese Name:</b>	Blymphocyte诱导成熟蛋白1抗体
<b>Alias:</b>	Blimp 1; Blimp-1; 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.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Pig,Cow,Horse,Rabbit,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	92kDa
<b>Cellular localization:</b>	The nucleuscytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human PRDM1/Blimp1:501-600/825
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>

The development and differentiation of plasma cells, which are terminally differentiated B-cells, are induced by Blimp-1 (B lymphocyte-induced maturation protein, also designated PRDI-BF1). Blimp-1 is a transcriptional repressor that localizes to the nucleus and is considered a master regulator of terminal B-cell development. Alone, Blimp-1 is sufficient to trigger terminal B-cell differentiation. Blimp-1 upregulates the expression of syndecan-1 and J chain, represses IFN- $\beta$  gene transcription and associates with HDAC to recruit it to DNA, thereby repressing c-myc. Blimp-1 is expressed during the late stages of B-cell differentiation in immunoglobulin-secreting plasma cells, as well as in long-lived, bone marrow plasma cells. The expression of Blimp-1 defines a checkpoint beyond which fully activated B cells proceed to the plasma cell stage, whereas immature and partially activated cells are eliminated.

**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.

**Subunit:**

Interacts with PRMT5.

**Subcellular Location:**

Nucleus. Cytoplasm.

**Similarity:**

Contains 4 C2H2-type zinc fingers.

Contains 1 SET domain.

**SWISS:**

O75626

**Gene ID:**

639

**Database links:**

[Entrez Gene: 538384](#)Cow

[Entrez Gene: 481947](#)Dog

[Entrez Gene: 639](#)Human

[Entrez Gene: 12142](#)Mouse

[Entrez Gene: 100154284](#)Pig

[Entrez Gene: 309871](#)Rat

**Product Detail:**

[Omin: 603423](#)Human

[SwissProt: O75626](#)Human

[SwissProt: Q60636](#)Mouse

[Unigene: 436023](#)Human

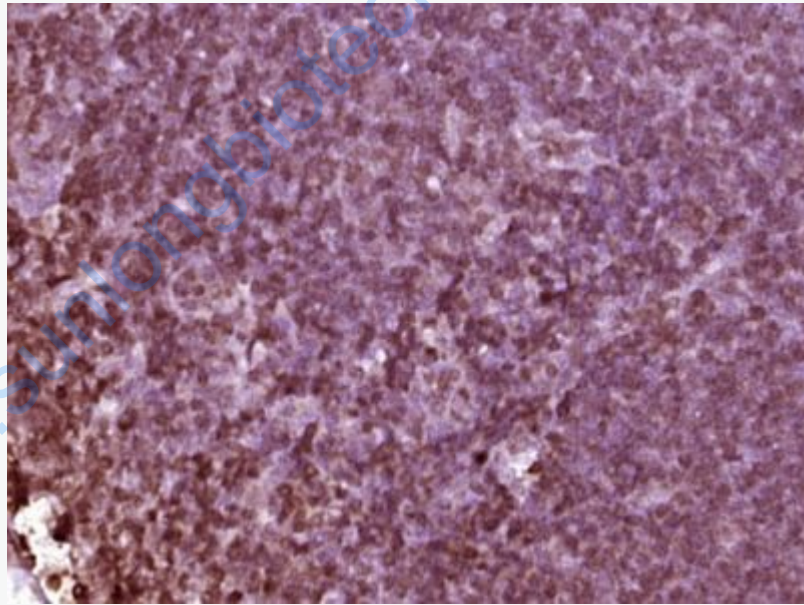
[Unigene: 4800](#)Mouse

[Unigene: 8012](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Picture:**



Paraformaldehyde-fixed, paraffin embedded (mouse lymphoid tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PRDM1) Polyclonal Antibody, Unconjugated (SL6466R) at 1:400 overnight at 4°C, followed by

	operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.
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