

Rabbit PRDM1/Blimp1 Polyclonal Antibody | anti-PRDM1 antibody

Anti-PRDM1/Blimp1 Picoband antibody

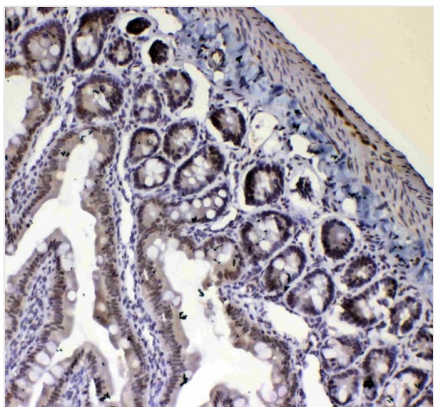
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19133	Rabbit	Human, Mouse, Rat No cross reactivity with other proteins.	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

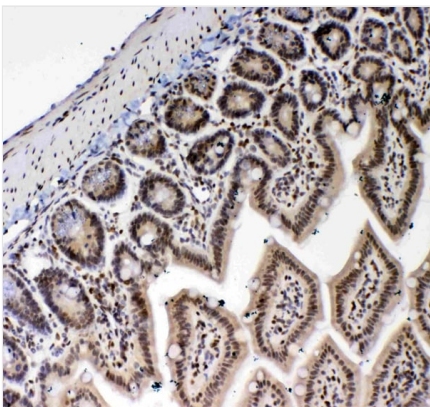
PRDM1/Blimp1; Polyclonal Antibody; Anti-PRDM1/Blimp1 Picoband antibody; PR domain zinc finger protein 1; BLIMP-1; Beta-interferon gene positive regulatory domain I-binding factor; PR domain-containing protein 1; Positive regulatory domain I-binding factor 1; PRDI-BF1; PRDI-binding factor 1; PRDM1; BLIMP1; anti-PRDM1 antibody

PRODUCT SPECIFICATIONS

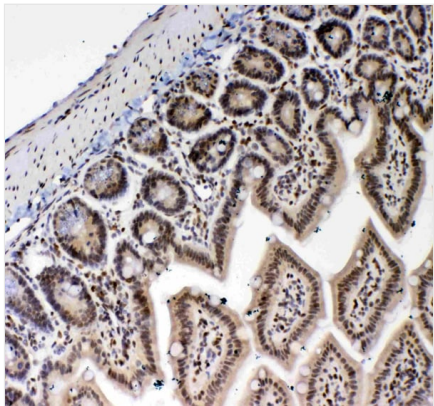
Host	Rabbit
Reactivity	Human, Mouse, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Form/Format	Lyophilized
Sequence Length	691
Applicable Applications for anti-PRDM1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	WB: 0.1-0.5µg/ml Immunohistochemistry (Paraffin-embedded Section): 0.5-1µg/ml Direct ELISA: 0.1-0.5µg/ml
Immunogen	E Coli-derived human PRDM1/Blimp1 recombinant protein (Position: M1-Q230).
Subcellular Localization	Nucleus.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500µg/ml.
Contents	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Na ₃ .
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



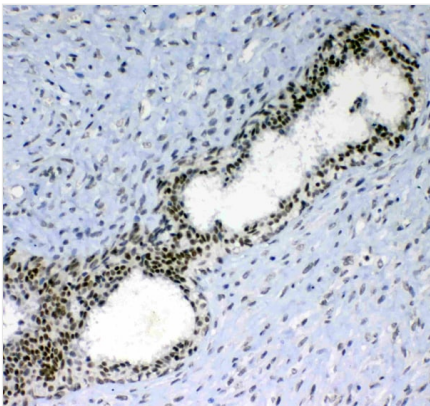
IHC (Immunohistochemistry)
Figure 8. IHC analysis of PRDM1/Blimp1 using anti-PRDM1/Blimp1 antibody (AAA19133).PRDM1/Blimp1 was detected in paraffin-embedded section of rat small intestine tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-PRDM1/Blimp1 Antibody (AAA19133) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



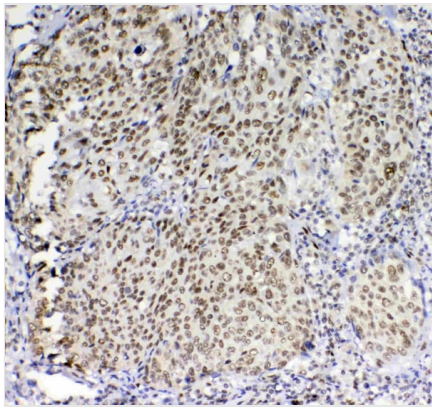
IHC (Immunohistochemistry)
Figure 7. IHC analysis of PRDM1/Blimp1 using anti-PRDM1/Blimp1 antibody (AAA19133).PRDM1/Blimp1 was detected in paraffin-embedded section of mouse small intestine tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-PRDM1/Blimp1 Antibody (AAA19133) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)
Figure 6. IHC analysis of PRDM1/Blimp1 using anti-PRDM1/Blimp1 antibody (AAA19133).PRDM1/Blimp1 was detected in paraffin-embedded section of human placenta tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-PRDM1/Blimp1 Antibody (AAA19133) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

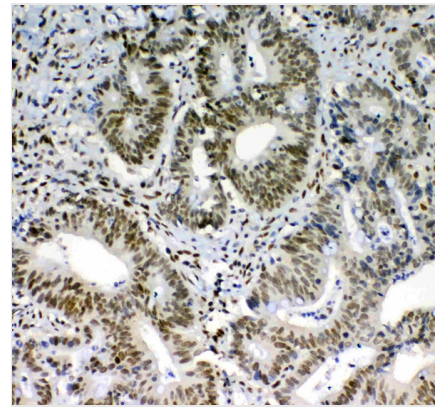


IHC (Immunohistochemistry)
Figure 5. IHC analysis of PRDM1/Blimp1 using anti-PRDM1/Blimp1 antibody (AAA19133).PRDM1/Blimp1 was detected in paraffin-embedded section of human mammary cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-PRDM1/Blimp1 Antibody (AAA19133) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 4. IHC analysis of PRDM1/Blimp1 using anti-PRDM1/Blimp1 antibody (AAA19133). PRDM1/Blimp1 was detected in paraffin-embedded section of human lung cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-PRDM1/Blimp1 Antibody (AAA19133) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 3. IHC analysis of PRDM1/Blimp1 using anti-PRDM1/Blimp1 antibody (AAA19133). PRDM1/Blimp1 was detected in paraffin-embedded section of human colon cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-PRDM1/Blimp1 Antibody (AAA19133) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-PRDM1 antibody

Description: PR domain zinc finger protein 1 also known as BLIMP-1 is a protein that in humans is encoded by the PRDM1 gene. 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.

Protein Function: 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 (PubMed: 1851123). Drives the maturation of B-lymphocytes into Ig secreting cells (PubMed: 12626569). Associates with the transcriptional repressor ZNF683 to chromatin at gene promoter regions (By similarity).

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	76,835 Da
NCBI Official Full Name	PR domain zinc finger protein 1 isoform 1
NCBI Official Synonym Full Names	PR/SET domain 1
NCBI Official Symbol	PRDM1
NCBI Official Synonym Symbols	BLIMP1; PRDI-BF1
NCBI Protein Information	PR domain zinc finger protein 1

UniProt Protein Name	PR domain zinc finger protein 1
UniProt Gene Name	PRDM1
UniProt Synonym Gene Names	BLIMP1; PRDI-BF1; PRDI-binding factor 1

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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/prdm1-blimp1-antibody-immunohistochemistry-western-blot-elisa/19133>