

Rabbit anti-Human PRDM8 Polyclonal Antibody | anti-PRDM8 antibody

Anti-PRDM8 Antibody Picoband

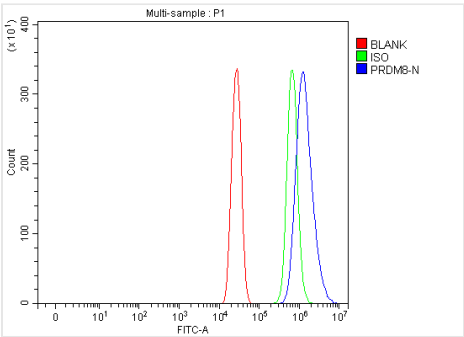
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127687	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

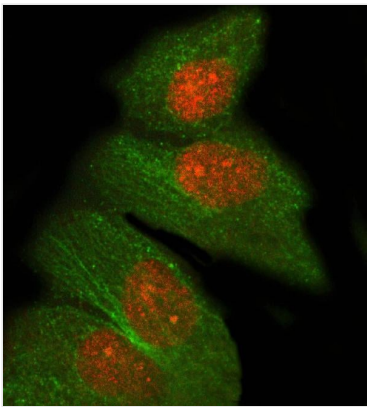
PRDM8; Polyclonal Antibody; Anti-PRDM8 Antibody Picoband; interleukin 17B; Interleukin-17B; IL-17B; Cytokine CX1; Cytokine-like protein ZCYTO7; Neuronal interleukin-17-related factor; IL17b; Nirf; Zcyto7; anti-PRDM8 antibody

PRODUCT SPECIFICATIONS

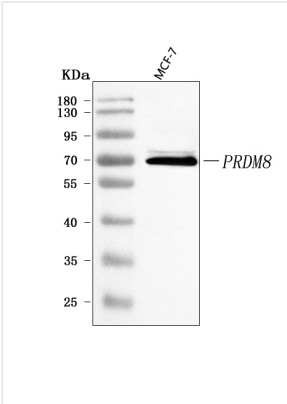
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Expressed in adult pancreas, small intestine, stomach, spinal cord and testis. Less pronounced expression in prostate, colon mucosal lining, and ovary.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-PRDM8 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	E coli-derived human PRDM8 recombinant protein (Position: D14-D405).
Subcellular Localization	Secreted
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	Stimulates the release of tumor necrosis factor alpha and IL-1-beta from the monocytic cell line THP-1.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)
Figure 3. Flow Cytometry analysis of A431 cells using anti-PRDM8 antibody (AAA127687).Overlay histogram showing A431 cells stained with AAA127687 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-PRDM8 Antibody (AAA127687, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x106) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IF (Immunofluorescence)
Figure 2. IF analysis of PRDM8 using anti-PRDM8 antibody (AAA127687) and anti-Tubulin Alpha antibody (M03989-3).PRDM8 was detected in immunocytochemical section of A431 cell. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5ug/mL rabbit anti-PRDM8 Antibody (AAA127687) and mouse anti-Tubulin Alpha antibody (M03989-3) overnight at 4 degree C. DyLight594 Conjugated Goat Anti-Rabbit IgG (BA1142) and DyLight488 Conjugated Goat Anti-Mouse IgG (BA1126) were used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)
Figure 1. Western blot analysis of PRDM8 using anti-PRDM8 antibody (AAA127687).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human MCF-7 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-PRDM8 antigen affinity purified polyclonal antibody (#AAA127687) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for PRDM8 at approximately 70 kDa. The expected band size for PRDM8 is at 72 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PRDM8 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-PRDM8 antibody	Primary Antibodies; Cytokines; Immunology; Innate Immunity; Interleukins

References	1. Eom, G. H., Kim, K., Kim, S.-M., Kee, H. J., Kim, J.-Y., Jin, H. M., Kim, J.-R., Kim, J. H., Choe, N., Kim, K.-B., Lee, J., Kook, H., Kim, N., Seo, S.-B. Histone methyltransferase PRDM8 regulates mouse testis steroidogenesis. <i>Biochem. Biophys. Res. Commun.</i> 388: 131-136, 2009.2. Hartz, P. A. Personal Communication. Baltimore, Md. 11/11/2015.3. Komai, T., Iwanari, H., Mochizuki, Y., Hamakubo, T., Shinkai, Y. Expression of the mouse PR domain protein Prdm8 in the developing central nervous system. <i>Gene Expr. Patterns</i> 9: 503-514, 2009.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	150378478
NCBI GeneID	56978
NCBI Accession #	NP_001092873
NCBI GenBank Nucleotide #	NM_001099403
UniProt Accession #	Q9NQV8; Q6IQ36; A8K7X2
Molecular Weight	35,470 Da
NCBI Official Full Name	PR domain zinc finger protein 8
NCBI Official Synonym Full Names	PR domain containing 8
NCBI Official Symbol	PRDM8
NCBI Official Synonym Symbols	PFM5
NCBI Protein Information	PR domain zinc finger protein 8; PR domain-containing protein 8; PR-domain containing protein 8
UniProt Protein Name	PR domain zinc finger protein 8
UniProt Gene Name	PRDM8
UniProt Synonym Gene Names	PFM5
UniProt Entry Name	PRDM8_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/prdm8-antibody-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/127687>