

Rabbit anti-Human PRDM15 Polyclonal Antibody | anti-PRDM15 antibody

Anti-PRDM15 Antibody Picoband

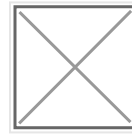
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19987	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PRDM15; Polyclonal Antibody; Anti-PRDM15 Antibody Picoband; Follicular dendritic cell secreted peptide; RNA-binding protein 47; RNA-binding motif protein 47; RBM47; anti-PRDM15 antibody

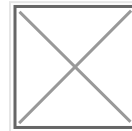
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Abundantly expressed in tonsil, lymph node, and trachea; strong expression in prostate; lower expression in thyroid, stomach, and colon.
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-PRDM15 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	WB: 0.25-0.5ug/ml, Human IHC(Paraffin-embedded Section): 2-5ug/ml, Human IF: 5ug/ml, Human FC/FACS (Fixed): 1-3ug/1x1x10 ⁶ cells, Human ELISA: 0.1-0.5ug/ml
Immunogen	E coli-derived human PRDM15 recombinant protein (Position: D24-Q1494).
Subcellular Localization	Nucleus
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	Can bind to the surface of B-lymphoma cells, but not T- lymphoma cells, consistent with a function as a secreted mediator acting upon B-cells.
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.



IF (Immunofluorescence)

Figure 7. IF analysis of PRDM15 using anti-PRDM15 antibody (AAA19987). PRDM15 was detected in a paraffin-embedded section of human ovarian cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 5ug/mL rabbit anti-PRDM15 Antibody (AAA19987) overnight at 4 degree C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



IHC (Immunohistochemistry)

Figure 5. IHC analysis of PRDM15 using anti-PRDM15 antibody (AAA19987).PRDM15 was detected in a paraffin-embedded section of human urothelial carcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-PRDM15 Antibody (AAA19987) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-PRDM15 Antibody (AAA19987) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-PRDM15 Antibody (AAA19987) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Lane 2: 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-PRDM15 antigen affinity purified polyclonal antibody (#AAA19987) 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 (62 kDa).

Related Product Information for anti-PRDM15 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-PRDM15 antibody	Primary Antibodies ; Chromatin Binding Proteins ; DNA/RNA Binding ; Epigenetics and Nuclear Signaling
References	1. Mzoughi, S., Zhang, J., Hequet, D., Teo, S. X., Fang, H., Xing, Q. R., Bezzi, M., Seah, M. K. Y., Ong, S. L. M., Shin, E. M., Wollmann, H., Wong, E. S. M., Al-Haddawi, M., Stewart, C. L., Tergaonkar, V., Loh, Y.-H., Dunn, N. R., Messerschmidt, D. M., Guccione, E. PRDM15 safeguards naive pluripotency by transcriptionally regulating WNT and MAP-ERK signaling. Nature Genet. 49: 1354-1363, 2017.2. Shibuya, K., Kudoh, J., Okui, M., Shimizu, N. Identification of a novel zinc finger protein gene (ZNF298) in the GAP2 of human chromosome 21q. Biochem. Biophys. Res. Commun. 332: 557-568, 2005.

NCBI AND UNIPROT INFORMATION

NCBI GI #	94536868
NCBI GeneID	63977
NCBI Accession #	NP_001035514.1
NCBI GenBank Nucleotide #	NM_001040424.2
UniProt Accession #	P57071; Q4W8S0; Q4W8S3; Q4W8S4; Q4W8S5; Q8N0X3; Q8NEX0; Q9NQV3; E9PDJ6; E9PF37; E9PGL3
Molecular Weight	57,810 Da
NCBI Official Full Name	PR domain zinc finger protein 15 isoform 2
NCBI Official Synonym Full Names	PR/SET domain 15
NCBI Official Symbol	PRDM15
NCBI Official Synonym Symbols	PFM15; ZNF298; C21orf83
NCBI Protein Information	PR domain zinc finger protein 15
UniProt Protein Name	PR domain zinc finger protein 15
UniProt Gene Name	PRDM15
UniProt Synonym Gene Names	C21orf83; ZNF298

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/prdm15-antibody-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/19987>