

Rabbit PRDM4 Polyclonal Antibody | anti-PRDM4 antibody

Anti-PRDM4 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127737	Rabbit	Human, Mouse, Rat	ELISA, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

PRDM4; Polyclonal Antibody; Anti-PRDM4 Antibody Picoband; eva-1 homolog A; regulator of programmed cell death; Protein eva-1 homolog A; Protein FAM176A; Transmembrane protein 166; EVA1A; FAM176A; TMEM166; SP24; anti-PRDM4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Expressed in lung, kidney, liver, pancreas, placenta, but not in heart and skeletal muscle.
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-PRDM4 antibody	ELISA, IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	E coli-derived human PRDM4 recombinant protein (Position: E87-R405).
Subcellular Localization	Endoplasmic reticulum membrane, Single-pass membrane protein, Lysosome membrane
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	Acts as a regulator of programmed cell death, mediating both autophagy and apoptosis.
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.

IMAGES



IF (Immunofluorescence)

Figure 2. IF analysis of PRDM4 using anti-PRDM4 antibody (AAA127737).PRDM4 was detected in an immunocytochemical section of U2OS cells. 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-PRDM4 Antibody (AAA127737) overnight at 4 degree C. DyLight550 Conjugated Goat Anti-Rabbit IgG (BA1135) was 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 PRDM4 using anti-PRDM4 antibody (AAA127737).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 COLO320 whole cell lysates,Lane 2: human RT4 whole cell lysates,Lane 3: rat brain tissue lysates,Lane 4: rat heart tissue lysates,Lane 5: mouse brain tissue lysates,Lane 6: mouse heart tissue 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-PRDM4 antigen affinity purified polyclonal antibody (#AAA127737) 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 PRDM4 at approximately 88 kDa. The expected band size for PRDM4 is at 88 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PRDM4 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-PRDM4 antibody	Primary Antibodies; Cell Biology; Proteasome/Ubiquitin; Proteolysis/Ubiquitin; Ubiquitin E3 Enzymes
References	1. Briknarova, K., Atwater, D. Z., Glicken, J. M., Maynard, S. J., Ness, T. E. The PR/SET domain in PRDM4 is preceded by a zinc knuckle. Proteins 79: 2341-2345, 2011.2. Gross, M. B. Personal Communication. Baltimore, Md. 9/2/2015.3. Yang, X.-H., Huang, S. PFM1 (PRDM4), a new member of the PR-domain family, maps to a tumor suppressor locus on human chromosome 12q23-q24.1. Genomics 61: 319-325, 1999.

NCBI AND UNIPROT INFORMATION

NCBI GI #	25008960
NCBI GeneID	11108
UniProt Accession #	Q9UKN5; Q9UFA6
Molecular Weight	801
NCBI Official Full Name	PR domain zinc finger protein 4
NCBI Official Synonym Full Names	PR domain containing 4
NCBI Official Symbol	PRDM4
NCBI Official Synonym Symbols	PFM1
NCBI Protein Information	PR domain zinc finger protein 4; PR domain-containing protein 4; PR-domain zinc-finger protein PFM1
UniProt Protein Name	PR domain zinc finger protein 4
UniProt Gene Name	PRDM4
UniProt Synonym Gene Names	PFM1
UniProt Entry Name	PRDM4_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.

