

Rabbit PSMD4 Polyclonal Antibody | anti-PSMD4 antibody

Anti-PSMD4 Antibody Picoband

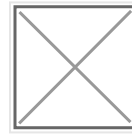
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19792	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

PSMD4; Polyclonal Antibody; Anti-PSMD4 Antibody Picoband; Segment polarity protein dishevelled homolog DVL-1; zona pellucida glycoprotein 3; Zona pellucida sperm-binding protein 3; Sperm receptor; ZP3A/ZP3B; Zona pellucida glycoprotein 3; Zp-3; Zona pellucida protein C; ZP3; ZP3A; ZP3B; ZPC; anti-PSMD4 antibody

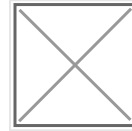
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Oocytes.
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-PSMD4 antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Application Notes	WB: 0.1-0.25ug/ml, Human, Mouse, Rat IHC(Paraffin-embedded Section): 2-5ug/ml, Human, Mouse, Rat ICC/IF: 5ug/ml, Human IF: 5ug/ml, Human, Rat FC/FACS (Fixed): 1-3ug/1x10 ⁶ cells, Human ELISA: 0.1-0.5ug/ml
Immunogen	E coli-derived human PSMD4 recombinant protein (Position: M1-E322).
Subcellular Localization	Extracellular matrix, Cell membrane, Single-pass type I membrane protein
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	The mammalian zona pellucida, which mediates species-specific sperm binding, induction of the acrosome reaction and prevents post-fertilization polyspermy, is composed of three to four glycoproteins, ZP1, ZP2, ZP3, and ZP4. ZP3 is essential for sperm binding and zona matrix formation.
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 10. IF analysis of PSMD4 using anti-PSMD4 antibody (AAA19792).PSMD4 was detected in a paraffin-embedded section of rat brain 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-PSMD4 Antibody (AAA19792) 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. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



IF (Immunofluorescence)

[illegible]

ADDITIONAL INFORMATION

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-PSMD4 antibody	Primary Antibodies; Cell Biology; Cell Type Markers; Developmental Biology; Reproduction; Tags & Cell Markers
References	1. Deveraux, Q., Jensen, C., Rechsteiner, M. Molecular cloning and expression of a 26 S protease subunit enriched in dileucine repeats. J. Biol. Chem. 270: 23726-23729, 1995. 2. Deveraux, Q., Ustrell, V., Pickart, C., Rechsteiner, M. A 26 S protease subunit that binds ubiquitin conjugates. J. Biol. Chem. 269: 7059-7061, 1994.3. Ferrell, K., Deveraux, Q., van Nocker, S., Rechsteiner, M. Molecular cloning and expression of a multiubiquitin chain binding subunit of the human 26S protease. FEBS Lett. 381: 143-148, 1996.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1709796
NCBI GeneID	5710
UniProt Accession #	P55036; Q5VWC5; Q9NS92; D3DV16
Molecular Weight	377
NCBI Official Full Name	26S proteasome non-ATPase regulatory subunit 4
NCBI Official Synonym Full Names	proteasome (prosome, macropain) 26S subunit, non-ATPase, 4
NCBI Official Symbol	PSMD4
NCBI Official Synonym Symbols	AF; ASF; S5A; AF-1; MCB1; Rpn10; pUB-R5
NCBI Protein Information	26S proteasome non-ATPase regulatory subunit 4; angiocidin; antiseecretory factor 1; S5a/antiseecretory factor protein; multiubiquitin chain-binding protein; 26S proteasome regulatory subunit S5A
UniProt Protein Name	26S proteasome non-ATPase regulatory subunit 4
UniProt Gene Name	PSMD4
UniProt Synonym Gene Names	MCB1; AF; ASF
UniProt Entry Name	PSMD4_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/psmd4-antibody-western-blot-immunohistochemistry-immunocytochemistry-immunofluorescence-flow-cytometry-elisa/19792>