

Rabbit PSMD13 Polyclonal Antibody | anti-PSMD13 antibody

Anti-PSMD13 Antibody Picoband

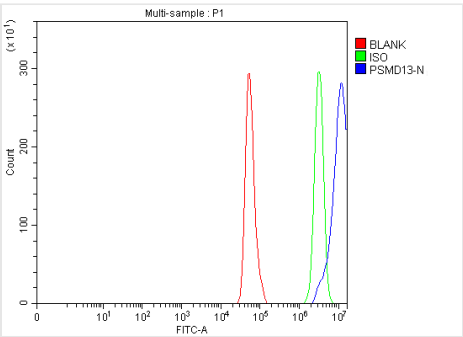
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127614	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

PSMD13; Polyclonal Antibody; Anti-PSMD13 Antibody Picoband; anti-PSMD13 antibody

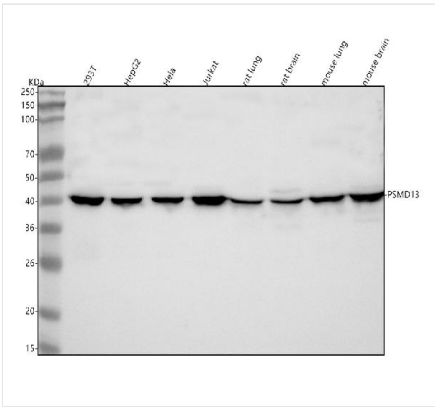
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
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-PSMD13 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human PSMD13 recombinant protein (Position: E68-E364). Human PSMD13 shares 97.3% and 97.6% amino acid (aa) sequence identity with mouse and rat PSMD13, respectively.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
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 2. Flow Cytometry analysis of HeLa cells using anti-PSMD13 antibody (AAA127614). Overlay histogram showing HeLa cells stained with AAA127614 (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-PSMD13 Antibody (AAA127614, 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.



WB (Western Blot)

Figure 1. Western blot analysis of PSMD13 using anti-PSMD13 antibody (AAA127614). 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 293T whole cell lysates, Lane 2: human HepG2 whole cell lysates, Lane 3: human HeLa whole cell lysates, Lane 4: human Jurkat whole cell lysates, Lane 5: rat lung tissue lysates, Lane 6: rat brain tissue lysates, Lane 7: mouse lung tissue lysates, Lane 8: mouse brain 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-PSMD13 antigen affinity purified polyclonal antibody (#AAA127614) 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 PSMD13 at approximately 43 kDa. The expected band size for PSMD13 is at 43 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PSMD13 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-PSMD13 antibody	Primary Antibodies
References	1. Hoffman, L., Gorbea, C., Rechsteiner, M. Identification, molecular cloning, and characterization of subunit 11 of the human 26S proteasome. FEBS Lett. 449: 88-92, 1999.2. Hori, T., Kato, S., Saeki, M., DeMartino, G. N., Slaughter, C. A., Takeuchi, J., Toh-e, A., Tanaka, K. cDNA cloning and functional analysis of p28 (Nas6p) and p40.5 (Nas7p), two novel regulatory subunits of the 26S proteasome. Gene 216: 113-122, 1998.

NCBI AND UNIPROT INFORMATION

NCBI GI #	157502193
NCBI GeneID	5719
NCBI Accession #	NP_002808
NCBI GenBank Nucleotide #	NM_002817.3
UniProt Accession #	Q9UNM6; O75831; Q53XU2; Q9UNV3; B3KT15
Molecular Weight	45.3kDa (399aa)
NCBI Official Full Name	26S proteasome non-ATPase regulatory subunit 13 isoform 1
NCBI Official Synonym Full Names	proteasome 26S subunit, non-ATPase 13
NCBI Official Symbol	PSMD13

NCBI Official Synonym Symbols	S11; Rpn9; p40.5; HSPC027
NCBI Protein Information	26S proteasome non-ATPase regulatory subunit 13
UniProt Protein Name	26S proteasome non-ATPase regulatory subunit 13
UniProt Gene Name	PSMD13

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/psmd13-antibody-flow-cytometry-western-blot-elisa/127614>