

Rabbit PSMC2 Polyclonal Antibody | anti-PSMC2 antibody

Anti-PSMC2 Antibody Picoband

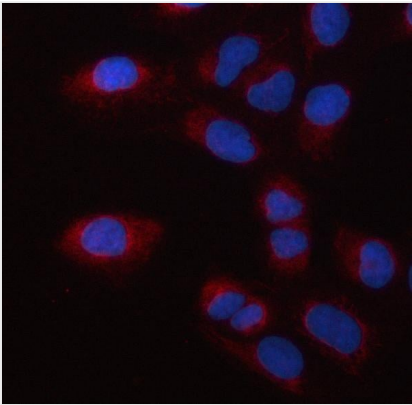
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127577	Rabbit	Human, Monkey	ELISA, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

PSMC2; Polyclonal Antibody; Anti-PSMC2 Antibody Picoband; CD72 molecule; B-cell differentiation antigen CD72; Lyb-2; CD72; anti-PSMC2 antibody

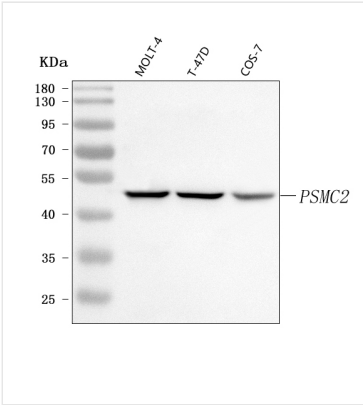
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Monkey
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Pre-B-cells and B-cells but not terminally differentiated plasma cells.
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-PSMC2 antibody	ELISA, IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	E coli-derived human PSMC2 recombinant protein (Position: K34-N433).
Subcellular Localization	Membrane, Single-pass type II 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	Plays a role in B-cell proliferation and differentiation.
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 2. IF analysis of PSMC2 using anti-PSMC2 antibody (AAA127577).PSMC2 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-PSMC2 Antibody (AAA127577) 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.



WB (Western Blot)

Figure 1. Western blot analysis of PSMC2 using anti-PSMC2 antibody (AAA127577).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 MOLT-4 whole cell lysates,Lane 2: human T-47D whole cell lysates,Lane 3: monkey COS-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-PSMC2 antigen affinity purified polyclonal antibody (#AAA127577) 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 PSMC2 at approximately 49 kDa. The expected band size for PSMC2 is at 49 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PSMC2 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-PSMC2 antibody	Primary Antibodies; Adaptive Immunity; B Cells; Hematopoietic Progenitors; Immunology; Lymphoid; Stem Cells
References	1. Dubiel, W., Ferrell, K., Rechsteiner, M. Peptide sequencing identifies MSS1, a modulator of HIV Tat-mediated transactivation, as subunit 7 of the 26 S protease. FEBS Lett. 323: 276-278, 1993. 2. Nelbock, P., Dillon, P. J., Perkins, A., Rosen, C. A. A cDNA for a protein that interacts with the human immunodeficiency virus Tat activator. Science 248: 1650-1653, 1990.3. Shibuya, H., Irie, K., Ninomiya-Tsuji, J., Goebel, M., Taniguchi, T., Matsumoto, K. New human gene encoding a positive modulator of HIV Tat-mediated transactivation. Nature 357: 700-702, 1992.

NCBI AND UNIPROT INFORMATION

NCBI GI #	325053652
NCBI GeneID	5701
NCBI Accession #	NP_001191382.1
NCBI GenBank Nucleotide #	NM_001204453.1
UniProt Accession #	P35998; Q3LIA5; Q9UDI3; A4D0Q1
Molecular Weight	49kDa
NCBI Official Full Name	26S protease regulatory subunit 7 isoform 2
NCBI Official Synonym Full Names	proteasome (prosome, macropain) 26S subunit, ATPase, 2
NCBI Official Symbol	PSMC2
NCBI Official Synonym Symbols	S7; MSS1; Nbla10058

NCBI Protein Information	26S protease regulatory subunit 7; protease 26S subunit 7; proteasome 26S subunit ATPase 2; proteasome 26S subunit, ATPase, 2; putative protein product of Nbla10058; 26S proteasome AAA-ATPase subunit RPT1; mammalian suppressor of sgv-1 of yeast
UniProt Protein Name	26S protease regulatory subunit 7
UniProt Gene Name	PSMC2
UniProt Synonym Gene Names	MSS1
UniProt Entry Name	PRS7_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/psmc2-antibody-immunofluorescence-immunocytochemistry-western-blot-elisa/127577>