

Rabbit anti-Human PSMD6 Polyclonal Antibody | anti-PSMD6 antibody

Anti-PSMD6 Antibody Picoband

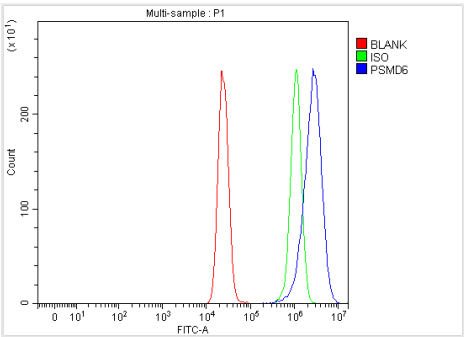
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127579	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

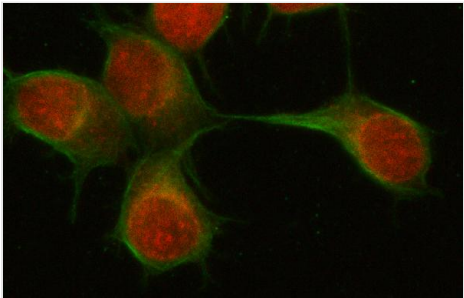
PSMD6; Polyclonal Antibody; Anti-PSMD6 Antibody Picoband; CD72 molecule; B-cell differentiation antigen CD72; Lyb-2; CD72; anti-PSMD6 antibody

PRODUCT SPECIFICATIONS

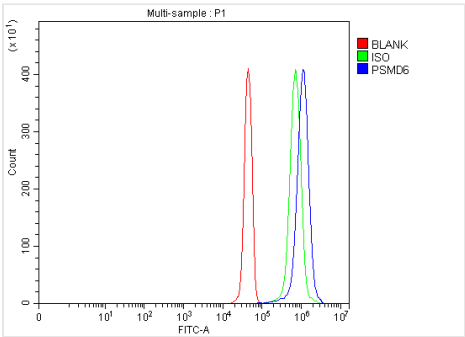
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Pre-B-cells and B-cells but not terminally differentiated plasma cells.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-PSMD6 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	E coli-derived human PSMD6 recombinant protein (Position: E30-Q381).
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.



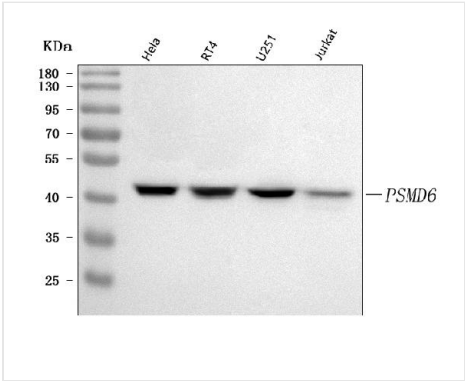
FCM/FACS (Flow Cytometry)
Figure 4. Flow Cytometry analysis of MCF-7 cells using anti-PSMD6 antibody (AAA127579).Overlay histogram showing MCF-7 cells stained with AAA127579 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-PSMD6 Antibody (AAA127579, 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.



IF (Immunofluorescence)
Figure 2. IF analysis of PSMD6 using anti-PSMD6 antibody (AAA127579) and anti-Beta Tubulin antibody (M01857-3).PSMD6 was detected in immunocytochemical section of U2OS cell. 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-PSMD6 Antibody (AAA127579) and mouse anti-Beta Tubulin antibody (M01857-3) overnight at 4 degree C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) and DyLight488 Conjugated Goat Anti-Mouse IgG (BA1126) were 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.



FCM/FACS (Flow Cytometry)
Figure 3. Flow Cytometry analysis of JK cells using anti-PSMD6 antibody (AAA127579).Overlay histogram showing JK cells stained with AAA127579 (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-PSMD6 Antibody (AAA127579, 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 PSMD6 using anti-PSMD6 antibody (AAA127579).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 HeLa whole cell lysates,Lane 2: human RT4 whole cell lysates,Lane 3: human U251 whole cell lysates,Lane 4: human Jurkat 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-PSMD6 antigen affinity purified polyclonal antibody (#AAA127579) 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 PSMD6 at approximately 46 kDa. The expected band size for PSMD6 is at 46 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PSMD6 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-PSMD6 antibody	Primary Antibodies; Adaptive Immunity; B Cells; Hematopoietic Progenitors; Immunology; Lymphoid; Stem Cells

References	1. Li, J., Cao, Y., Xu, X., Xiang, H., Zhang, Z., Chen, B., Hao, Y., Wei, Z., Zhou, P., Chen, D. Increased new lncRNA-mRNA gene pair levels in human cumulus cells correlate with oocyte maturation and embryo development. <i>Reprod. Sci.</i> 22: 1008-1014, 2015. 2. Nagase, T, Miyajima, N, Tanaka, A., Sazuka, T., Seki, N., Sato, S., Tabata, S., Ishikawa, K., Kawarabayashi, Y., Kotani, H., Nomura, N. Prediction of the coding sequences of unidentified human genes. III. The coding sequences of 40 new genes (KIAA0081-KIAA0120) deduced by analysis of cDNA clones from human cell line KG-1. <i>DNA Res.</i> 2: 37-43, 1995. 3. Ren, S., Smith, M. J., Louro, I. D., McKie-Bell, P., Bani, M. R., Wagner, M., Zochodne, B., Redden, D. T., Grizzle, W. E., Wang, N., Smith, D. I., Herbst, R. A., Bardenheuer, W., Opalka, B., Schutte, J., Trent, J. M., Ben-David, Y., Ruppert, J. M. The p44S10 locus, encoding a subunit of the proteasome regulatory particle, is amplified during progression of cutaneous malignant melanoma. <i>Oncogene</i> 19: 1419-1427, 2000.
------------	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	422398832
NCBI GeneID	9861
NCBI Accession #	NP_001258708.1
NCBI GenBank Nucleotide #	NM_001271779.1
UniProt Accession #	Q15008; A8K2E0
Molecular Weight	45,531 Da
NCBI Official Full Name	26S proteasome non-ATPase regulatory subunit 6 isoform 1
NCBI Official Synonym Full Names	proteasome (prosome, macropain) 26S subunit, non-ATPase, 6
NCBI Official Symbol	PSMD6
NCBI Official Synonym Symbols	S10; Rpn7; p42A; p44S10; SGA-113M
NCBI Protein Information	26S proteasome non-ATPase regulatory subunit 6; breast cancer-associated protein SGA-113M; phosphonoformate immuno-associated protein 4; proteasome regulatory particle subunit p44S10
UniProt Protein Name	26S proteasome non-ATPase regulatory subunit 6
UniProt Gene Name	PSMD6
UniProt Synonym Gene Names	KIAA0107; PFAAP4
UniProt Entry Name	PSMD6_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.