

Rabbit anti-Human PSMF1 Polyclonal Antibody | anti-PSMF1 antibody

Anti-PSMF1 Antibody Picoband

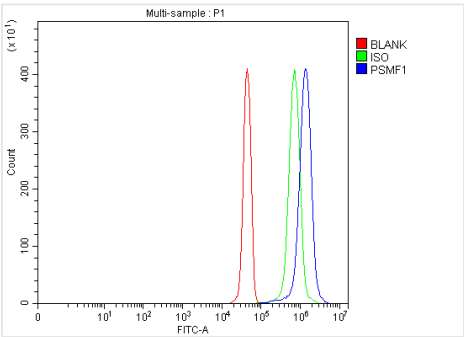
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127538	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

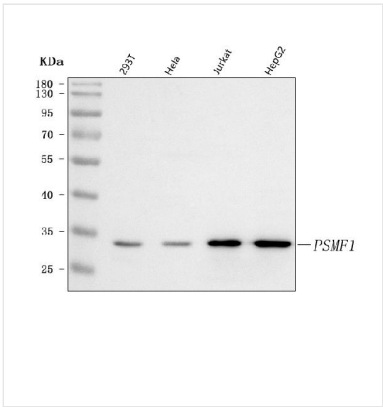
PSMF1; Polyclonal Antibody; Anti-PSMF1 Antibody Picoband; Annexin A8 ; Annexin VIII ; Annexin-8 ; Vascular anticoagulant-beta ; VAC-beta ; ANXA8 ; ANX8; anti-PSMF1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Ubiquitously expressed.
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-PSMF1 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human PSMF1 recombinant protein (Position: M1-L271).
Subcellular Localization	Cell membrane, Multi-pass membrane protein, Cell junction, gap junction
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	This protein is an anticoagulant protein that acts as an in inhibitor of the thromboplastin-specific complex, which is involved in the blood coagulation cascade.
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 JK cells using anti-PSMF1 antibody (AAA127538). Overlay histogram showing JK cells stained with AAA127538 (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-PSMF1 Antibody (AAA127538, 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 PSMF1 using anti-PSMF1 antibody (AAA127538). 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 HeLa whole cell lysates, Lane 3: human Jurkat whole cell lysates, Lane 4: human HepG2 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-PSMF1 antigen affinity purified polyclonal antibody (#AAA127538) 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 PSMF1 at approximately 30 kDa. The expected band size for PSMF1 is at 30 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PSMF1 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-PSMF1 antibody	Primary Antibodies; Signal Transduction; Cardiovascular; Cytoskeleton; Cytoskeleton/ECM; Actin Binding Proteins; Actin, etc.; Microfilaments; Cell Adhesion
References	1. An, H., Yang, L., Wang, C., Gan, Z., Gu, H., Zhang, T., Huang, X., Liu, Y., Li, Y., Chang, S.-J., Lai, J., Li, Y.-B., Chen, S., Sun, F.-L. Interactome analysis reveals a novel role for RAD6 in the regulation of proteasome activity and localization in response to DNA damage. Molec. Cell. Biol. 37: e00419-16, 2017. Note: Electronic Article.2. Hartz, P. A. Personal Communication. Baltimore, Md. 1/30/2018.3. Li, X., Thompson, D., Kumar, B., DeMartino, G. N. Molecular and cellular roles of PI31 (PSMF1) protein in regulation of proteasome function. J. Biol. Chem. 289: 17392-17405, 2014.

NCBI AND UNIPROT INFORMATION

NCBI GI #	145611426
NCBI GeneID	9491
NCBI Accession #	NP_006805.2
NCBI GenBank Nucleotide #	NM_006814.3
UniProt Accession #	Q92530; Q9H411; A0AVQ9; D3D VW3
Molecular Weight	29,817 Da
NCBI Official Full Name	proteasome inhibitor PI31 subunit
NCBI Official Synonym Full Names	proteasome (prosome, macropain) inhibitor subunit 1 (PI31)
NCBI Official Symbol	PSMF1

NCBI Official Synonym Symbols	PI31
NCBI Protein Information	proteasome inhibitor PI31 subunit; hPI31; proteasome inhibitor hP131 subunit
UniProt Protein Name	Proteasome inhibitor PI31 subunit
UniProt Gene Name	PSMF1
UniProt Synonym Gene Names	hPI31
UniProt Entry Name	PSMF1_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/psmf1-antibody-flow-cytometry-western-blot-elisa/127538>