

Rabbit PSMF1 Polyclonal Antibody | anti-PSMF1 antibody

PSMF1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327095	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

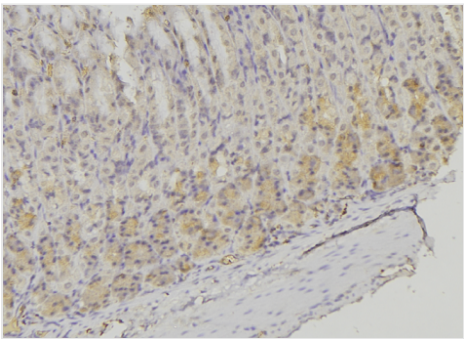
PRODUCT SYNONYMS

PSMF1; Polyclonal Antibody; PSMF1 Antibody; hPI31; PI31; Proteasome (prosome macropain) inhibitor subunit 1; Proteasome inhibitor hP131 subunit; Proteasome inhibitor PI31 subunit; PSMB2; Psmf1; PSMF1_HUMAN; RP23 402M7.5; RP4 545L17.1; anti-PSMF1 antibody

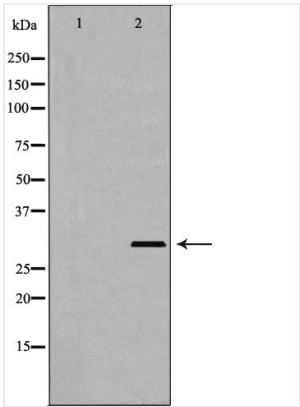
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PSMF1 antibody detects endogenous levels of total PSMF1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	175
Applicable Applications for anti-PSMF1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PSMF1
Subcellular Location	Endoplasmic Reticulum
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (83%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (92%), Xenopus (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA327095 at 1/100 staining Human gastric tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of HeLa whole cell lysates, using PSMF1 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PSMF1 antibody	Description: The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes a protein that inhibits the activation of the proteasome by the 11S and 19S regulators. Alternative transcript variants have been identified for this gene. Function: Plays an important role in control of proteasome function. Inhibits the hydrolysis of protein and peptide substrates by the 20S proteasome. Also inhibits the activation of the proteasome by the proteasome regulatory proteins PA700 and PA28. Subunit Structure: Monomer and homodimer. Interacts with FBXO7. Interacts with the 20S proteasome. Similarity: Belongs to the proteasome inhibitor PI31 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1020738610
NCBI GeneID	9491
NCBI Accession #	NP_001310336.1
NCBI GenBank Nucleotide #	NM_001323407.1
UniProt Accession #	Q92530; Q9H4I1; A0AVQ9; D3D VW3
Molecular Weight	Observed: 29 kDa Predicted: 30 kDa
NCBI Official Full Name	proteasome inhibitor PI31 subunit isoform 3
NCBI Official Synonym Full Names	proteasome inhibitor subunit 1
NCBI Official Symbol	PSMF1
NCBI Official Synonym Symbols	PI31
NCBI Protein Information	proteasome inhibitor PI31 subunit
UniProt Protein Name	Proteasome inhibitor PI31 subunit
UniProt Gene Name	PSMF1

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-immunohistochemistry-western-blot-elisa/327095>