

Rabbit anti-Human PSMD1 Polyclonal Antibody | anti-PSMD1 antibody

Rabbit anti-PSMD1 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212318	Rabbit	Human	Immunohistochemistry, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

PSMD1; Polyclonal Antibody; Rabbit anti-PSMD1 Antibody; Affinity Purified; Rpn2; 26S proteasome subunit p112; P112; S1; 26S proteasome regulatory subunit RPN2; 26S proteasome non-ATPase regulatory subunit 1; proteasome (prosome; macropain) 26S subunit; non-ATPase; 1; 26S proteasome regulatory subunit S1; proteasome 26S subunit; non-ATPase 1; anti-PSMD1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-PSMD1 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Orangutan
Immunogen	Between 1 and 50
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



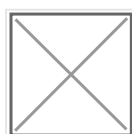
WB (Western Blot)

Detection of human PSMD1 by western blot. Samples: Whole cell lysate from HEK293T (15 and 50 ug), HeLa (H; 50 ug), and Jurkat (J; 50 ug) cells. Antibodies: Affinity purified rabbit anti-PSMD1 antibody AAA212318 (lot AAA212318-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



IP (Immunoprecipitation)

Detection of human PSMD1 by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg for IP; 20% of IP loaded) from HEK293T cells. Antibodies: Affinity purified rabbit anti-PSMD1 antibody AAA212318 (lot AAA212318-1) used for IP at 6 ug/mg lysate. PSMD1 was also immunoprecipitated by rabbit anti-PSMD1 antibody For blotting immunoprecipitated PSMD1, AAA212318 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.



IHC (Immunohistochemistry)

Detection of human PSMD1 by immunohistochemistry. Sample: FFPE section of human ovarian carcinoma. Antibody: Affinity purified rabbit anti-PSMD1 (Cat. No. AAA212318 Lot1) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-PSMD1 antibody	PSMD1 [proteasome (prosome, macropain) 26S subunit, non-ATPase, 1] is a subunit of the 26 S proteasome. 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. PSMD1 is the largest non-ATPase subunit of the 19S regulator lid, which is responsible for substrate recognition and binding [taken from NCBI Entrez Gene (Gene ID: 5707)].
Product Categories/Family for anti-PSMD1 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	25777600
NCBI GeneID	5707
NCBI Accession #	NP_002798.2
NCBI GenBank Nucleotide #	NM_002807.3
UniProt Accession #	Q99460; Q24JU0; Q53TI2; Q6GMU5; Q6P2P4; Q6PJM7; Q6PKG9; Q86VU1; Q8IV79; B8ZZH9
Molecular Weight	102,258 Da
NCBI Official Full Name	26S proteasome non-ATPase regulatory subunit 1 isoform 1
NCBI Official Synonym Full Names	proteasome (prosome, macropain) 26S subunit, non-ATPase, 1
NCBI Official Symbol	PSMD1
NCBI Official Synonym Symbols	S1; P112; Rpn2
NCBI Protein Information	26S proteasome non-ATPase regulatory subunit 1; 26S proteasome subunit p112; 26S proteasome regulatory subunit S1; 26S proteasome regulatory subunit RPN2
UniProt Protein Name	26S proteasome non-ATPase regulatory subunit 1
UniProt Gene Name	PSMD1

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/psmd1-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/212318>