

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

Rabbit anti-PSMD1 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212319	Rabbit	Human, Mouse	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, Mouse
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	Rat, Chicken, Orangutan
Immunogen	Between 903 and C-terminus
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 (10 ug) from HEK293T, HeLa, Jurkat, Hep-G2, and MCF-7 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-PSMD1 antibody (AAA212319 lot 2) used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 1 second.



WB (Western Blot)

Detection of mouse PSMD1 by western blot. Samples: Whole cell lysate (10 ug) from NIH 3T3, CT26, CH27, TCMK-1, and BW5147.3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-PSMD1 antibody (AAA212319 lot 2) used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 1 second.



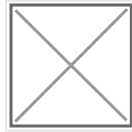
IP (Immunoprecipitation)

Detection of human PSMD1 by western blot of immunoprecipitates. Samples: Whole cell lysate (200 ug per IP reaction; 5% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-PSMD1 antibody (AAA212319 lot 2) used for IP at 6 ug per reaction. PSMD1 was also immunoprecipitated by a previous lot of this antibody (AAA212319 lot 1) and a second antibody against a different epitope of PSMD1. For blotting immunoprecipitated PSMD1, AAA212319 was used at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 1 second.



IHC (Immunohistochemistry)

Detection of mouse PSMD1 by immunohistochemistry. Sample: FFPE section of mouse plasmacytoma. Antibody: Affinity purified rabbit anti- PSMD1 (AAA212319 Lot 2) used at a dilution of 1:5,000 (0.2ug/ml). Detection: DAB



IHC (Immunohistochemistry)

Detection of human PSMD1 by immunohistochemistry. Sample: FFPE section of human breast carcinoma. Antibody: Affinity purified rabbit anti- PSMD1 (AAA212319 Lot 2) used at a dilution of 1:5,000 (0.2ug/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

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/212319>