

Rabbit anti-Human PSMD4 Polyclonal Antibody | anti-PSMD4 antibody

Rabbit anti-PSMD4 Antibody, Affinity Purified

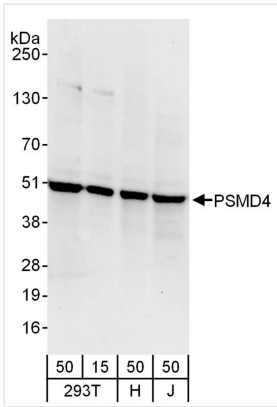
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212322	Rabbit	Human	Immunohistochemistry, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

PSMD4; Polyclonal Antibody; Rabbit anti-PSMD4 Antibody; Affinity Purified; multiubiquitin chain-binding protein; S5a/antiselectory factor protein; S5A; Rpn10; proteasome (prosome; macropain) 26S subunit; non-ATPase; 4; MCB1; ASF; angiocidin; 26S proteasome non-ATPase regulatory subunit 4; AF-1; AF; 26S proteasome regulatory subunit S5A; 26S proteasome regulatory subunit RPN10; antiselectory factor 1; pUB-R5; proteasome 26S subunit; non-ATPase 4; anti-PSMD4 antibody

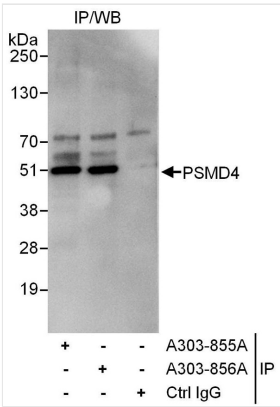
PRODUCT SPECIFICATIONS

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-PSMD4 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Bovine
Immunogen	Between 250 and 300
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



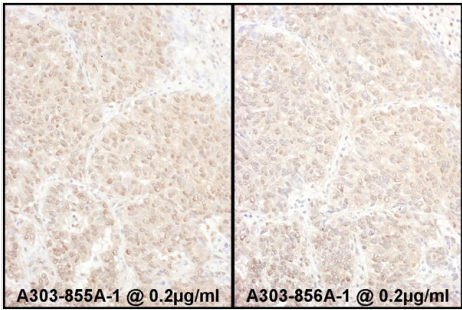
WB (Western Blot)

Detection of human PSMD4 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-PSMD4 antibody AAA212322 (lot AAA212322-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



IP (Immunoprecipitation)

Detection of human PSMD4 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-PSMD4 antibody AAA212322 (lot AAA212322-1) used for IP at 6 ug/mg lysate. PSMD4 was also immunoprecipitated by rabbit anti-PSMD4 antibody. For blotting immunoprecipitated PSMD4, AAA212322 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.



IHC (Immunohistochemistry)

Detection of human PSMD4 by immunohistochemistry. Samples: FFPE sections of human lung carcinoma. Antibody: Affinity purified rabbit anti-PSMD4 Cat. No. AAA212322 Lot1 used at a dilution of 1:5,000 (0.2ug/ml) (left) and Cat. No. Lot1 used at a dilution of 1:5,000 (0.2ug/ml) (right). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-PSMD4 antibody	PSMD4 [proteasome (prosome, macropain) 26S subunit, non-ATPase, 4] is a non-ATPase subunit of the 19S regulator lid. The 19S regulator and 20S core complexes make up the 26S proteasome which is a multicatalytic proteinase complex with a highly ordered structure. 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 [taken from NCBI Entrez Gene (Gene ID: 5710)].
Product Categories/Family for anti-PSMD4 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	5292161
NCBI GeneID	5710
NCBI Accession #	NP_002801.1
NCBI GenBank Nucleotide #	NM_002810.2

UniProt Accession #	P55036 ; Q5VWC5 ; Q9NS92 ; D3DV16
Molecular Weight	28,612 Da
NCBI Official Full Name	26S proteasome non-ATPase regulatory subunit 4 isoform 2
NCBI Official Synonym Full Names	proteasome 26S subunit, non-ATPase 4
NCBI Official Symbol	PSMD4
NCBI Official Synonym Symbols	AF; ASF; S5A; AF-1; MCB1; Rpn10; pUB-R5
NCBI Protein Information	26S proteasome non-ATPase regulatory subunit 4
UniProt Protein Name	26S proteasome non-ATPase regulatory subunit 4
UniProt Gene Name	PSMD4
UniProt Synonym Gene Names	MCB1; AF; ASF
UniProt Entry Name	PSMD4_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/psmd4-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/212322>