

Rabbit anti-Human, Mouse PSMC2 Polyclonal Antibody | anti-PSMC2 antibody

Rabbit anti-PSMC2 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212298	Rabbit	Human, Mouse	Immunohistochemistry, Immunoprecipitation, Western Blot

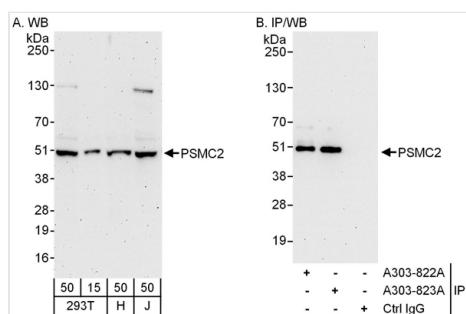
PRODUCT SYNONYMS

PSMC2; Polyclonal Antibody; Rabbit anti-PSMC2 Antibody; Affinity Purified; 26S proteasome AAA-ATPase subunit RPT1; proteasome (prosome; macropain) 26S subunit; ATPase; 2; S7; putative protein product of Nbla10058; testis secretory sperm-binding protein Li 197a; Protein MSS1; Proteasome 26S subunit ATPase 2; protease 26S subunit 7; Nbla10058; MSS1; 26S proteasome regulatory subunit 7; 26S protease regulatory subunit 7; mammalian suppressor of sgV-1 of yeast; proteasome 26S subunit; ATPase 2; anti-PSMC2 antibody

PRODUCT SPECIFICATIONS

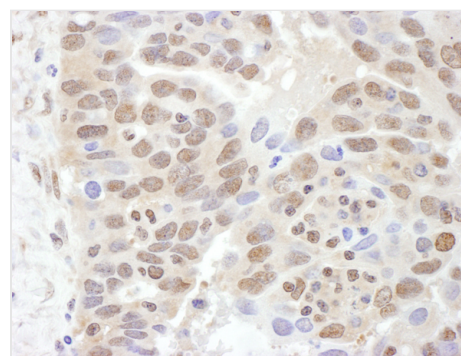
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-PSMC2 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Rat, X. laevis, Bovine, Orangutan
Immunogen	Between 175 and 225
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



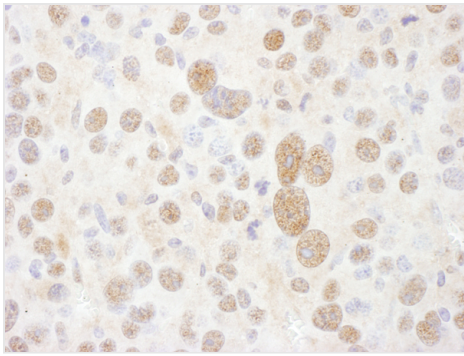
WB (Western Blot)

Detection of human PSMC2 by western blot and immunoprecipitation. Samples: Whole cell lysate from HEK293T (15 and 50 ug for WB; 1 mg for IP, 20% of IP loaded), HeLa (H; 50 ug) and Jurkat (J; 50 ug) cells. Antibodies: Affinity purified rabbit anti-PSMC2 antibody AAA212298 used for WB at 0.1 ug/ml (A) and 1 ug/ml (B) and used for IP at 6 ug/mg lysate. PSMC2 was also immunoprecipitated by rabbit anti-PSMC2 antibody A303-823A, which recognizes a downstream epitope. Detection: Chemiluminescence with exposure times of 3 minutes (A) and 30 seconds (B).



IHC (Immunohistochemistry)

Detection of human PSMC2 by immunohistochemistry. Sample: FFPE section of human ovarian carcinoma. Antibody: Affinity purified rabbit anti-PSMC2 (Cat. No. AAA212298 Lot1) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB



IHC (Immunohistochemistry)

Detection of mouse PSMC2 by immunohistochemistry. Sample: FFPE section of mouse renal cell carcinoma. Antibody: Affinity purified rabbit anti-PSMC2 (Cat. No. AAA212298 Lot1) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-PSMC2 antibody	Proteasome (prosome, macropain) 26S subunit, ATPase2 (PSMC2) is a subunit of the 26S proteasome, 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. PSMC2 is one of the ATPase subunits, a member of the triple-A family of ATPases which have a chaperone-like activity. This subunit has been shown to interact with several of the basal transcription factors, so, in addition to participation in proteasome functions, this subunit may participate in the regulation of transcription. This subunit may also compete with PSMC3 for binding to the HIV tat protein to regulate the interaction between the viral protein and the transcription complex. [taken from NCBI Entrez Gene (Gene ID: 5701)].
Product Categories/Family for anti-PSMC2 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	325053650
NCBI GeneID	5701
NCBI Accession #	NP_002794.1
NCBI GenBank Nucleotide #	NM_002803
UniProt Accession #	P35998; Q3LIA5; Q9UDI3; A4D0Q1; B7Z5E2
Molecular Weight	33,274 Da
NCBI Official Full Name	Homo sapiens proteasome (prosome, macropain) 26S subunit, ATPase, 2 (PSMC2), transcript variant 1, mRNA
NCBI Official Synonym Full Names	proteasome (prosome, macropain) 26S subunit, ATPase, 2
NCBI Official Symbol	PSMC2
NCBI Official Synonym Symbols	S7; MSS1; Nbla10058
NCBI Protein Information	26S protease regulatory subunit 7; 26S proteasome AAA-ATPase subunit RPT1; mammalian suppressor of sgvi-1 of yeast; protease 26S subunit 7; proteasome 26S subunit ATPase 2; proteasome 26S subunit, ATPase, 2; putative protein product of Nbla10058
UniProt Protein Name	26S protease regulatory subunit 7
UniProt Gene Name	PSMC2

UniProt Synonym Gene Names	MSS1
UniProt Entry Name	PRS7_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/psmc2-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/212298>