

Rabbit anti-Human PSMC4 Polyclonal Antibody | anti-PSMC4 antibody

Rabbit anti-PSMC4 Antibody, Affinity Purified

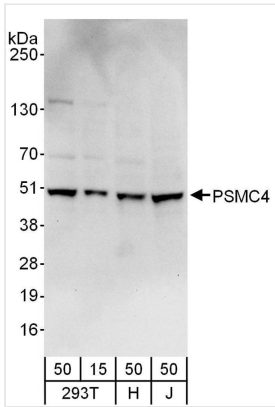
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212316	Rabbit	Human	Immunohistochemistry, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

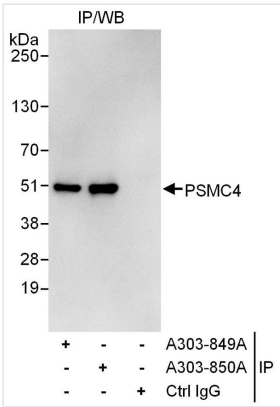
PSMC4; Polyclonal Antibody; Rabbit anti-PSMC4 Antibody; Affinity Purified; Proteasome 26S subunit ATPase 4; TBP-7; TBP7; Tat-binding protein 7; RPT3; proteasome (prosome; macropain) 26S subunit; ATPase; 4; 26S protease regulatory subunit 6B; MIP224; MB67-interacting protein; 26S proteasome regulatory subunit 6B; 26S proteasome AAA-ATPase subunit RPT3; protease 26S subunit 6; S6; proteasome 26S subunit; ATPase 4; anti-PSMC4 antibody

PRODUCT SPECIFICATIONS

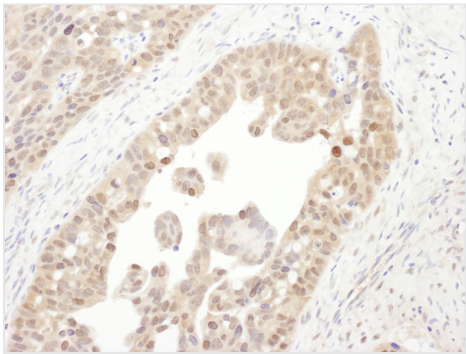
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-PSMC4 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Bovine
Immunogen	Between 1 and 50
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 PSMC4 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-PSMC4 antibody AAA212316 (lot AAA212316-1) used for WB at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



IP (Immunoprecipitation)
Detection of human PSMC4 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-PSMC4 antibody AAA212316 (lot AAA212316-1) used for IP at 6 ug/mg lysate. PSMC4 was also immunoprecipitated by rabbit anti-PSMC4 antibody. For blotting immunoprecipitated PSMC4, AAA212316 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.



IHC (Immunohistochemistry)
Detection of human PSMC4 by immunohistochemistry. Sample: FFPE section of human ovarian carcinoma. Antibody: Affinity purified rabbit anti-PSMC4 (Cat. No. AAA212316 Lot1) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-PSMC4 antibody	PSMC4 [proteasome (prosome, macropain) 26S subunit, ATPase, 4] is a member of the triple-A family of ATPases that is a component of the 19S regulatory subunit and plays a role in 26S proteasome assembly. 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. PSMC4 interacts with gankyrin, a liver oncoprotein, and may also play a role in Parkinson's disease through interactions with synphilin-1 [taken from NCBI Entrez Gene (Gene ID: 5704)].
Product Categories/Family for anti-PSMC4 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	5729991
NCBI GeneID	5704
NCBI Accession #	NP_006494.1

NCBI GenBank Nucleotide #	NM_006503.3
UniProt Accession #	P43686 ; Q96FV5 ; Q9UBM3 ; Q9UEX3
Molecular Weight	47,366 Da
NCBI Official Full Name	26S protease regulatory subunit 6B isoform 1
NCBI Official Synonym Full Names	proteasome (prosome, macropain) 26S subunit, ATPase, 4
NCBI Official Symbol	PSMC4
NCBI Official Synonym Symbols	S6; RPT3; TBP7; TBP-7; MIP224
NCBI Protein Information	26S protease regulatory subunit 6B; Tat-binding protein 7; protease 26S subunit 6; MB67-interacting protein; 26S proteasome AAA-ATPase subunit RPT3
UniProt Protein Name	26S protease regulatory subunit 6B
UniProt Gene Name	PSMC4
UniProt Synonym Gene Names	MIP224; TBP7; TBP-7
UniProt Entry Name	PRS6B_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://www.aaabiotech.com/polyclonal/psmc4-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/212316>