

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

Anti-PSMC2 Antibody, Rabbit Polyclonal

CATALOG # AAA255190	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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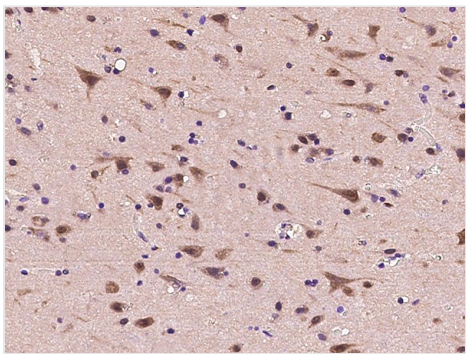
PRODUCT SYNONYMS

PSMC2; Polyclonal Antibody; Anti-PSMC2 Antibody; Rabbit Polyclonal; PSMC2 Antibody; Rabbit PAb; Antigen Affinity Purified; proteasome (prosome; macropain) 26S subunit; ATPase; 2; Anti-MSS1 Antibody; Anti-Nbla10058 Antibody; Anti-S7 Antibody; anti-PSMC2 antibody

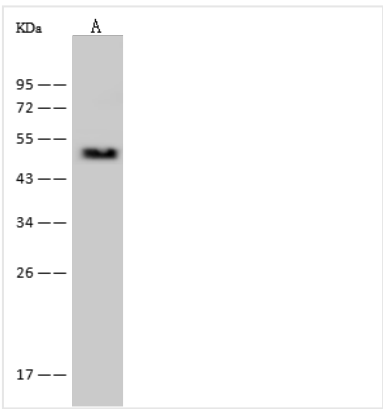
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PSMC2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PSMC2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the N-terminus of the Human PSMC2
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the N-terminus of the Human PSMC2, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Immunochemical staining of human PSMC2 in human brain with rabbit polyclonal antibody at 1:300 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)
Anti-PSMC2 rabbit polyclonal antibody at 1:500 dilutionLane A: HeLa Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.Developed using the ECL technique.Performed under reducing conditions.Predicted band size:49 kDaObserved band size:49 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-PSMC2 antibody	PSMC2 (Proteasome 26S Subunit, ATPase 2) is a Protein Coding gene. The PSMC2 gene, located on 7q22.1, is conserved in chimpanzee, dog, cow, mouse, rat, and chicken, etc. This gene encodes 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. Diseases associated with PSMC2 include Cystic Fibrosis and Alzheimer's Disease.
References	Song M, et al. (2017) Psmc2 is up-regulated in osteosarcoma and regulates osteosarcoma cell proliferation, apoptosis and migration. Oncotarget 8 (1): 933-953.Qin J, et al. (2019) Psmc2 is up-regulated in pancreatic cancer and promotes cancer cell proliferation and inhibits apoptosis. J Cancer 10 (20): 4939-4946.He J, et al. (2019) Silencing of proteasome 26s subunit atpase 2 regulates colorectal cancer cell proliferation, apoptosis, and migration. Chemotherapy 64 (3): 146-154.

NCBI AND UNIPROT INFORMATION

NCBI GI #	325053652
NCBI GeneID	5701
NCBI Accession #	NP_001191382.1
NCBI GenBank Nucleotide #	NM_001204453.1
UniProt Accession #	P35998; Q3LIA5; Q9UDI3; A4D0Q1
Molecular Weight	49kDa
NCBI Official Full Name	26S protease regulatory subunit 7 isoform 2
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; protease 26S subunit 7; proteasome 26S subunit ATPase 2; proteasome 26S subunit, ATPase, 2; putative protein product of Nbla10058; 26S proteasome AAA-ATPase subunit RPT1; mammalian suppressor of sgV-1 of yeast
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-western-blot-elisa/255190>