

Rabbit PSMD2 Polyclonal Antibody | anti-PSMD2 antibody

Anti-PSMD2 Antibody, Rabbit Polyclonal

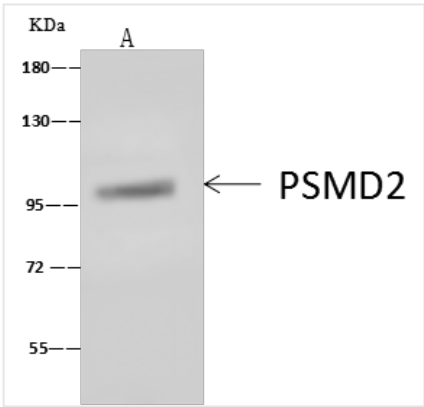
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255192	Rabbit	Human Predicted to React with: Pongo abelii (Species predicted to react based on 100% sequence homology)	Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

PSMD2; Polyclonal Antibody; Anti-PSMD2 Antibody; Rabbit Polyclonal; PSMD2 Antibody; Rabbit PAb; Antigen Affinity Purified; proteasome (prosome; macropain) 26S subunit; non-ATPase; 2; Anti-P97 Antibody; Anti-RPN1 Antibody; Anti-S2 Antibody; Anti-TRAP2 Antibody; anti-PSMD2 antibody

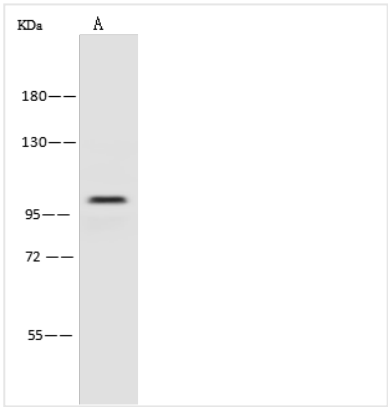
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human Predicted to React with: Pongo abelii (Species predicted to react based on 100% sequence homology)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PSMD2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PSMD2 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the N-terminus of the Human PSMD2
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the N-terminus of the Human PSMD2, 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.



IP (Immunoprecipitation)

PSMD2 was immunoprecipitated using: Lane A: 0.5 mg Jurkat Whole Cell Lysate, 4 uL anti-PSMD2 rabbit polyclonal antibody and 60 ug of Immnomagnetic beads Protein A/G. Primary antibody: Anti-PSMD2 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 100 kDa. Observed band size: 100 kDa.



WB (Western Blot)

Anti-PSMD2 rabbit polyclonal antibody at 1:500 dilution. Lane A: Jurkat Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 100 kDa. Observed band size: 100 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PSMD2 antibody	PSMD2 (Proteasome 26S Subunit, Non-ATPase 2) is a Protein Coding gene. The PSMD2 gene, located on 3q27.1, is conserved in chimpanzee, Rhesus monkey, dog, cow, mouse, and rat, etc. This gene encodes one of the non-ATPase subunits of the 19S regulator lid. In addition to participation in proteasome function, this subunit may also participate in the TNF signaling pathway since it interacts with the tumor necrosis factor type 1 receptor. PSMD2 is widely expressed in the testis, brain, and other tissues. Diseases associated with PSMD2 include Chapare Hemorrhagic Fever and Cystic Fibrosis. PSMD2 is a constituent of a signature associated with the acquisition of metastatic phenotype and poor prognosis in lung cancers. The related pathways of PSMD2 are Regulation of activated PAK-2p34 by proteasome-mediated degradation and Antigen processing-Cross presentation.
References	Tsurumi C, et al. (1996) Cdna cloning and functional analysis of the p97 subunit of the 26s proteasome, a polypeptide identical to the type-1 tumor-necrosis-factor-receptor-associated protein-2/55.11. Eur J Biochem 239 (3): 912-921. Tan Y, et al. (2019) Psm1 and psm2 regulate hepg2 cell proliferation and apoptosis via modulating cellular lipid droplet metabolism. BMC Mol Biol 20 (1): 24. Matsuyama Y, et al. (2011) Proteasomal non-catalytic subunit psm2 as a potential therapeutic target in association with various clinicopathologic features in lung adenocarcinomas. Mol Carcinog 50 (4): 301-309.

NCBI AND UNIPROT INFORMATION

NCBI GI #	25777602
NCBI GeneID	5708
NCBI Accession #	NP_002799.3
NCBI GenBank Nucleotide #	NM_002808.3
UniProt Accession #	Q13200; Q12932; Q15321; Q53XQ4; Q96112
Molecular Weight	100,200 Da
NCBI Official Full Name	26S proteasome non-ATPase regulatory subunit 2
NCBI Official Synonym Full Names	proteasome (prosome, macropain) 26S subunit, non-ATPase, 2
NCBI Official Symbol	PSMD2
NCBI Official Synonym Symbols	S2; P97; Rpn1; TRAP2
NCBI Protein Information	26S proteasome non-ATPase regulatory subunit 2; 55.11 protein; protein 55.11; TNFR-associated protein 2; 26S proteasome subunit p97; 26S proteasome regulatory subunit S2; 26S proteasome regulatory subunit RPN1; tumor necrosis factor receptor-associated pr

UniProt Protein Name	26S proteasome non-ATPase regulatory subunit 2
UniProt Gene Name	PSMD2
UniProt Synonym Gene Names	TRAP2
UniProt Entry Name	PSMD2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/psmd2-antibody-immunoprecipitation-western-blot-elisa/255192>