

Rabbit PSMD3 Polyclonal Antibody | anti-PSMD3 antibody

PSMD3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326826	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PSMD3; Polyclonal Antibody; PSMD3 Antibody; 26S proteasome non ATPase regulatory subunit 3; 26S proteasome non-ATPase regulatory subunit 3; 26S proteasome regulatory subunit RPN3; 26S proteasome regulatory subunit S3; OTTHUMP00000164347; P58; Proteasome (prosome; macropain) 26S subunit non ATPase 3; Proteasome subunit p58; PSMD3_HUMAN; RPN3; S3; Tissue specific transplantation antigen 2; TSTA2; anti-PSMD3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PSMD3 antibody detects endogenous levels of total PSMD3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	534
Applicable Applications for anti-PSMD3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Fusion protein of human PSMD3
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA326826 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)

AAA326826 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of HeLa whole cell lysates, using PSMD3 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PSMD3 antibody	Description: 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. This gene encodes a member of the proteasome subunit S3 family that functions as one of the non-ATPase subunits of the 19S regulator lid. Single nucleotide polymorphisms in this gene are associated with neutrophil count. Function: Component of the 26S proteasome, a multiprotein complex involved in the ATP-dependent degradation of ubiquitinated proteins. This complex plays a key role in the maintenance of protein homeostasis by removing misfolded or damaged proteins, which could impair cellular functions, and by removing proteins whose functions are no longer required. Therefore, the proteasome participates in numerous cellular processes, including cell cycle progression, apoptosis, or DNA damage repair. Subunit Structure: Component of the 19S proteasome regulatory particle complex. The 26S proteasome consists of a 20S core particle (CP) and two 19S regulatory subunits (RP). The regulatory particle is made of a lid composed of 9 subunits including PSMD3, a base containing 6 ATPases and few additional components (PubMed:27428775, PubMed:27342858). Interacts with UBQLN1 (via ubiquitin-like domain) (PubMed:15147878). Similarity: Belongs to the proteasome subunit S3 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	25777612
NCBI GeneID	5709
NCBI Accession #	NP_002800.2
NCBI GenBank Nucleotide #	NM_002809.3
UniProt Accession #	O43242; Q96EI2; Q9BQA4; B3KMW9; B4DT72
Molecular Weight	Observed: 61 kDa Predicted: 61 kDa
NCBI Official Full Name	26S proteasome non-ATPase regulatory subunit 3
NCBI Official Synonym Full Names	proteasome 26S subunit, non-ATPase 3
NCBI Official Symbol	PSMD3
NCBI Official Synonym Symbols	S3; P58; RPN3; TSTA2
NCBI Protein Information	26S proteasome non-ATPase regulatory subunit 3
UniProt Protein Name	26S proteasome non-ATPase regulatory subunit 3
UniProt Gene Name	PSMD3

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.