

Rabbit PSMD7 Polyclonal Antibody | anti-PSMD7 antibody

PSMD7 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326999	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

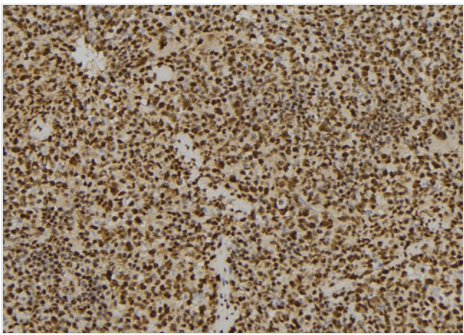
PRODUCT SYNONYMS

PSMD7; Polyclonal Antibody; PSMD7 Antibody; 26S proteasome non ATPase regulatory subunit 7; 26S proteasome non-ATPase regulatory subunit 7; 26S proteasome regulatory subunit RPN8; 26S proteasome regulatory subunit S12; integration site gene; mouse; homolog of; Moloney leukemia virus 34 proviral; Moloney leukemia virus 34 proviral integration; MOV34; Mov34 homolog; Mov34 protein homolog; MOV34L; P40; Proteasome (prosome; macropain) 26S subunit; non ATPase 7; non ATPase; 7 (Mov34 homolog); Proteasome 26S S12; Proteasome 26S subunit; no-ATPase; 7; Proteasome subunit p40; PSD7_HUMAN; PSMD 7; Rpn8; S12; anti-PSMD7 antibody

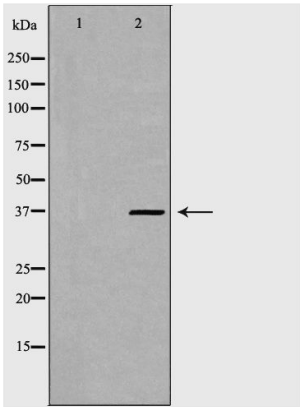
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PSMD7 antibody detects endogenous levels of total PSMD7
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	324
Applicable Applications for anti-PSMD7 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PSMD7
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326999 at 1/100 staining Mouse spleen 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.



WB (Western Blot)
Western blot analysis of Hela whole cell lysates, using PSMD7 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PSMD7 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. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes a non-ATPase subunit of the 19S regulator. A pseudogene has been identified on chromosome 17.

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 PSMD7, a base containing 6 ATPases and few additional components (PubMed:27428775, PubMed:27342858). Within the complex, PSMD7 interacts with subunit PSMD4 through their respective MPN domain. Interacts with TRIM5 (PubMed:22078707).

Similarity: Belongs to the peptidase M67A family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	25777615
NCBI GeneID	5713
NCBI Accession #	NP_002802.2
NCBI GenBank Nucleotide #	NM_002811.4
UniProt Accession #	P51665; Q6PKI2; Q96E97; D3DWS9
Molecular Weight	Observed: 37 kDa Predicted: 38 kDa
NCBI Official Full Name	26S proteasome non-ATPase regulatory subunit 7
NCBI Official Synonym Full Names	proteasome 26S subunit, non-ATPase 7
NCBI Official Symbol	PSMD7
NCBI Official Synonym Symbols	P40; S12; Rpn8; MOV34

NCBI Protein Information	26S proteasome non-ATPase regulatory subunit 7
UniProt Protein Name	26S proteasome non-ATPase regulatory subunit 7
UniProt Gene Name	PSMD7
UniProt Synonym Gene Names	MOV34L

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/psmd7-antibody-immunohistochemistry-western-blot-elisa/326999>