

Rabbit PSMD7 Polyclonal Antibody | anti-PSMD7 antibody

PSMD7 Antibody (C-term)

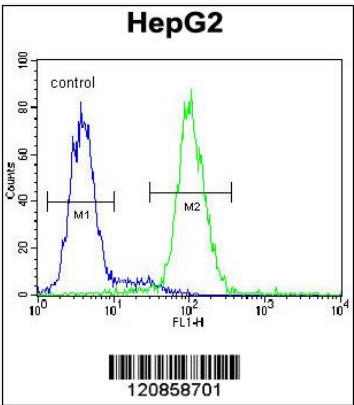
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285892	Rabbit	Human (Predicted Reactivity: Mouse)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

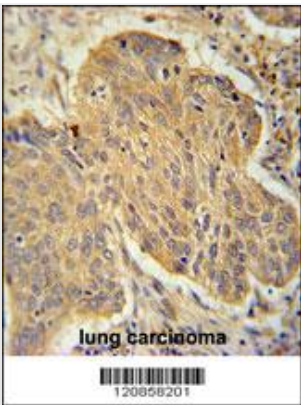
PSMD7; Polyclonal Antibody; PSMD7 Antibody (C-term); 26S proteasome non-ATPase regulatory subunit 7; 26S proteasome regulatory subunit RPN8; 26S proteasome regulatory subunit S12; Mov34 protein homolog; Proteasome subunit p40; MOV34L; anti-PSMD7 antibody

PRODUCT SPECIFICATIONS

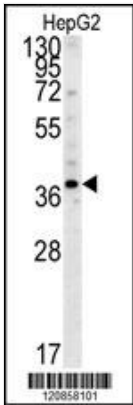
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PSMD7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 267-295 amino acids from the C-terminal region of human PSMD7.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	267-295
Sequence Length	324
Applicable Applications for anti-PSMD7 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
PSMD7 Antibody (C-term) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
PSMD7 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the PSMD7 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
PSMD7 Antibody (C-term) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the PSMD7 antibody detected the PSMD7 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-PSMD7 antibody	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. PSMD7 is a non-ATPase subunit of the 19S regulator. A pseudogene has been identified on chromosome 17.
Product Categories/Family for anti-PSMD7 antibody	Cell Biology; Signal transduction
References	Dastani, Z., et al. Eur. J. Hum. Genet. 18(3):342-347(2010) Sanches, M., et al. J. Mol. Biol. 370(5):846-855(2007) Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007)

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	37025
NCBI Official Full Name	26S proteasome non-ATPase regulatory subunit 7
NCBI Official Synonym Full Names	proteasome (prosome, macropain) 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
UniProt Entry Name	PSMD7_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/psmd7-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/285892>