

Rabbit PSMD4 Polyclonal Antibody | anti-PSMD4 antibody

PSMD4 antibody - C-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197341	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Sheep	Western Blot, Immunohistochemistry

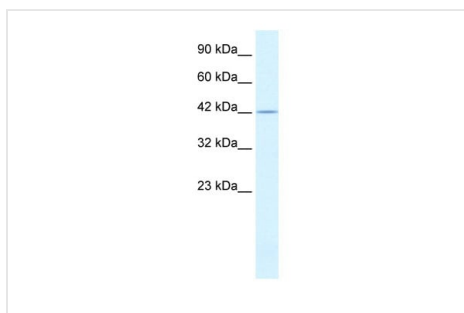
PRODUCT SYNONYMS

PSMD4; Polyclonal Antibody; PSMD4 antibody - C-terminal region; anti-PSMD4 antibody

PRODUCT SPECIFICATIONS

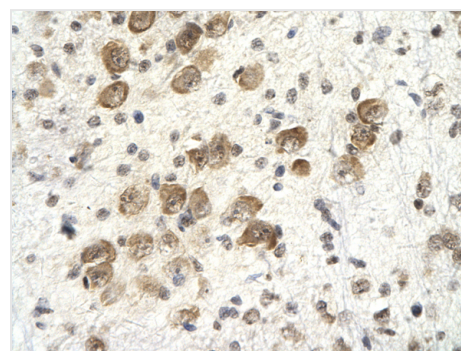
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Sheep
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: VM QDPEFLQSVL ENLPGVDPNN EAIRNAMGSL ASQATKDGKK DKKEEDKK
Sequence Length	377
Applicable Applications for anti-PSMD4 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 100%; Dog: 93%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 93%; Pig: 100%; Rabbit: 100%; Rat: 100%; Sheep: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human PSMD4
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-PSMD4 Antibody Titration: 0.2-1 ug/ml
Positive Control: Raji cell lysate
PSMD4 is strongly supported by BioGPS gene expression data to be expressed in Human Raji cells



IHC (Immunohistochemistry)

Rabbit Anti-PSMD4 Antibody
Paraffin Embedded Tissue: Human neural cell
Cellular Data: Epithelial cells of renal tubule
Antibody Concentration: 4.0-8.0 ug/ml
Magnification: 400X

ADDITIONAL INFORMATION

Related Product Information for anti-PSMD4 antibody	This is a rabbit polyclonal antibody against PSMD4. It was validated on Western Blot using a cell lysate as a positive control. Target 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. PSMD4 encodes one of the non-ATPase subunits of the 19S regulator lid.
Product Categories/Family for anti-PSMD4 antibody	Polyclonal; Transcription Factor; Transcription Regulation; Drugs and Drug Metabolism; E3 & Ubiquitin; DNA Repair; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	5292161
NCBI GeneID	5710
NCBI Accession #	NP_002801
NCBI GenBank Nucleotide #	NM_002810
UniProt Accession #	P55036
Molecular Weight	41kDa
NCBI Official Full Name	26S proteasome non-ATPase regulatory subunit 4 isoform 2
NCBI Official Synonym Full Names	proteasome 26S subunit, non-ATPase 4
NCBI Official Symbol	PSMD4
NCBI Official Synonym Symbols	AF; ASF; S5A; AF-1; MCB1; Rpn10; pUB-R5
NCBI Protein Information	26S proteasome non-ATPase regulatory subunit 4
UniProt Protein Name	26S proteasome non-ATPase regulatory subunit 4
UniProt Gene Name	PSMD4
UniProt Synonym Gene Names	MCB1; AF; ASF
UniProt Entry Name	PSMD4_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.