

Rabbit anti-Human PSMD4 Polyclonal Antibody | anti-PSMD4 antibody

PSMD4 antibody

CATALOG # AAA50467	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot
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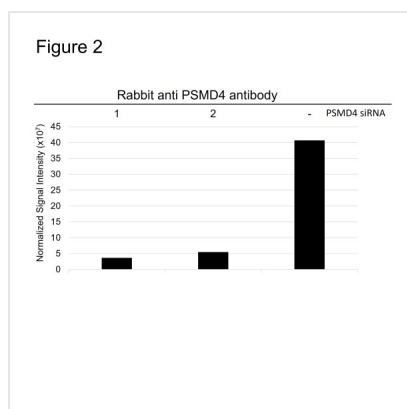
PRODUCT SYNONYMS

PSMD4; Polyclonal Antibody; PSMD4 antibody; RABBIT ANTI PSMD4; anti-PSMD4 antibody

PRODUCT SPECIFICATIONS

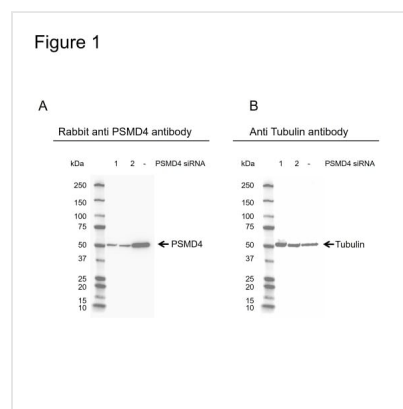
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Rabbit polyclonal antibody purified by affinity chromatography on immunogen
Form/Format	Purified IgG - liquid Phosphate buffered saline 0.09% Sodium Azide, <50% Glycerol
Concentration	IgG concentration 0.5mg/ml (varies by lot)
Applicable Applications for anti-PSMD4 antibody	WB (Western Blot)
Species Cross-Reactivity	Rat:Yes
Immunogen	Recombinant protein of human PSMD4
Preparation and Storage	Store undiluted at -20 degree C, avoiding repeated freeze thaw cycles 12 months from date of despatch.

IMAGES



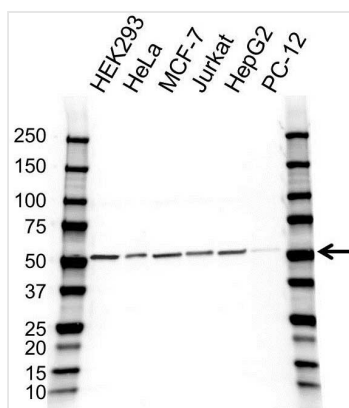
Application Data

Normalized signal intensity of PSMD4 from whole cell lysates prepared from HEK293 cells separately transfected with two unique siRNA duplexes against PSMD4 (1 & 2) or a scrambled siRNA (-). Signal intensity was normalized to the tubulin signal.



WB (Western Blot)

Western blot analysis of whole cell lysates prepared from HEK293 cells separately transfected with two unique siRNA duplexes against PSMD4 (1 & 2) or a scrambled siRNA (-) probed with Rabbit anti PSMD4 antibody (AAA50467) followed by detection with HRP conjugated Goat anti Rabbit IgG (1/5,000 1705046) and hFAB rhodamine anti-tubulin primary antibody (12004166) and visualized on the ChemiDoc M.



WB (Western Blot)

Western blot analysis of whole cell lysates probed with PSMD4 antibody followed by detection with HRP conjugated Goat anti Rabbit IgG (1/10,000) and visualized on the ChemiDoc MP with 5 second exposure. Arrow points to PSMD4 (molecular weight 50 kDa)

ADDITIONAL INFORMATION

Related Product Information for anti-PSMD4 antibody

Rabbit anti Human PSMD4 antibody recognizes the PSMD4, also known as 26S proteasome non-ATPase regulatory subunit 4, 26S proteasome regulatory subunit S5A, S5a/antiseecretory factor protein, angiocidin and multiubiquitin chain-binding protein.

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 one of the non-ATPase subunits of the 19S regulator lid. Pseudogenes have been identified on chromosomes 10 and 21 (provided by RefSeq, Jul 2008).

Mouse anti Human PSMD4 antibody detects a band of 50 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1709796
NCBI GeneID	5710
UniProt Accession #	P55036; Q5VWC5; Q9NS92; D3DV16
Molecular Weight	377
NCBI Official Full Name	26S proteasome non-ATPase regulatory subunit 4
NCBI Official Synonym Full Names	proteasome (prosome, macropain) 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; angiocidin; antiseecretory factor 1; S5a/antiseecretory factor protein; multiubiquitin chain-binding protein; 26S proteasome regulatory subunit S5A
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/psmd4-antibody-western-blot-elisa/50467>