

Rabbit PSMD1 Polyclonal Antibody | anti-PSMD1 antibody

PSMD1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329035	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Zebrafish(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Chicken(100%), Xenopus(100%)	ELISA

PRODUCT SYNONYMS

PSMD1; Polyclonal Antibody; PSMD1 Antibody; MGC133041; 26S proteasome non ATPase regulatory subunit 1; 26S proteasome non ATPase subunit 1; 26S proteasome non-ATPase regulatory subunit 1; 26S proteasome regulatory subunit rpn2; 26S proteasome regulatory subunit S1; 26S proteasome subunit p112; MGC133040; P112; Proteasome (prosome macropain) 26S subunit; non ATPase 1; Psmid1; PSMD1_HUMAN; RPN2; S1; anti-PSMD1 antibody

PRODUCT SPECIFICATIONS

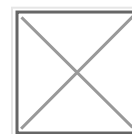
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Zebrafish(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Chicken(100%), Xenopus(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	PSMD1 Antibody detects endogenous levels of total PSMD1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	953
Applicable Applications for anti-PSMD1 antibody	ELISA
Immunogen	A synthesized peptide derived from human PSMD1, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



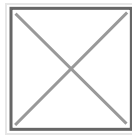
IHC (Immunohistochemistry)

AAA329035 at 1/100 staining Mouse heart 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 primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



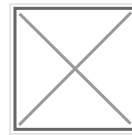
IHC (Immunohistochemistry)

AAA329035 at 1/100 staining Rat heart 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 primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)

AAA329035 at 1/100 staining Rat pancreatic 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 primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from Hela cells, using PSMD1 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PSMD1 antibody

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, a base containing 6 ATPases and few additional components including PSMD1 (PubMed:27428775, PubMed:27342858). Interacts with ADRM1 (PubMed:16990800, PubMed:16906146). Interacts with ZFAND1 (PubMed:29804830).

Similarity: Belongs to the proteasome subunit S1 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	51704332
NCBI GeneID	5707
UniProt Accession #	Q99460
Molecular Weight	Observed Molecular Weight: (Observed)105kD. Predicted Molecular Weight: (Calculated)106kDa.
NCBI Official Full Name	26S proteasome non-ATPase regulatory subunit 1
NCBI Official Synonym Full Names	proteasome 26S subunit, non-ATPase 1
NCBI Official Symbol	PSMD1
NCBI Official Synonym Symbols	S1; P112; Rpn2
NCBI Protein Information	26S proteasome non-ATPase regulatory subunit 1
UniProt Protein Name	26S proteasome non-ATPase regulatory subunit 1
UniProt Gene Name	PSMD1

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/psmd1-antibody-elisa/329035>