

Rabbit PSMD10 Polyclonal Antibody | anti-PSMD10 antibody

PSMD10 Antibody

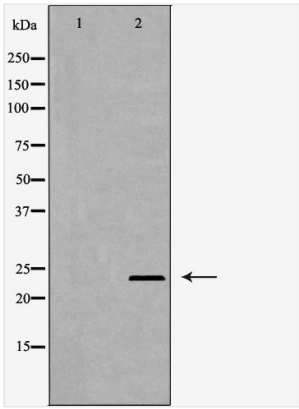
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326477	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PSMD10; Polyclonal Antibody; PSMD10 Antibody; 26S proteasome non-ATPase regulatory subunit 10; 26S proteasome regulatory subunit p28; Ankyrin repeat protein; dJ889N15.2; Gankyrin; Hepatocellular carcinoma-associated protein p28 II; p28; p28(GANK); Proteasome (prosome; macropain) 26S subunit; non ATPase; 10; PSD10_HUMAN; Psmid10; anti-PSMD10 antibody

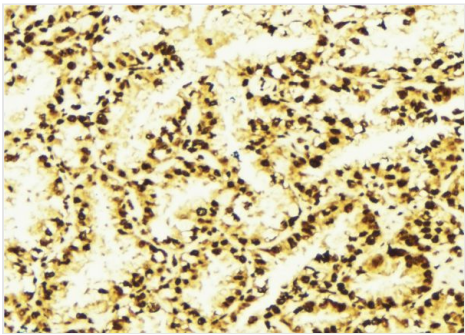
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PSMD10 antibody detects endogenous levels of total PSMD10
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	226
Applicable Applications for anti-PSMD10 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PSMD10
Subcellular Location	Cytoplasm. Nucleus.
Tissue Specificity	Tends to be up-regulated in cancer cells with RAS mutations, including lung cancers and adenocarcinomas (at protein level).
Predicted Cross Reactivity	Zebrafish, Horse, Rabbit, Dog, Chicken, Xenopus
Similarity	Zebrafish (83%), Horse (100%), Rabbit (100%), Dog (100%), Chicken (83%), Xenopus (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)

Western blot analysis of Hela cell lysate, using PSMD10 Antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA326477 at 1/100 staining Human lung 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.

ADDITIONAL INFORMATION

Related Product Information for anti-PSMD10 antibody

Description: This gene encodes a subunit of the PA700/19S complex, which is the regulatory component of the 26S proteasome. The 26S proteasome complex is required for ubiquitin-dependent protein degradation. This protein is a non-ATPase subunit that may be involved in protein-protein interactions. Aberrant expression of this gene may play a role in tumorigenesis. Two transcripts encoding different isoforms have been described. Pseudogenes have been identified on chromosomes 3 and 20.[provided by RefSeq, Mar 2011]

Function: Acts as a chaperone during the assembly of the 26S proteasome, specifically of the PA700/19S regulatory complex (RC). In the initial step of the base subcomplex assembly is part of an intermediate PSMD10:PSMC4:PSMC5:PAAF1 module which probably assembles with a PSMD5:PSMC2:PSMC1:PSMD2 module. Independently of the proteasome, regulates EGF-induced AKT activation through inhibition of the RHOA/ROCK/PTEN pathway, leading to prolonged AKT activation. Plays an important role in RAS-induced tumorigenesis.

Subunit Structure: Part of transient complex containing PSMD10, PSMC4, PSMC5 and PAAF1 formed during the assembly of the 26S proteasome. Stays associated throughout the assembly of the PA700/19S RC and is released upon association with the 20S core. Interacts with PSMC4. Interacts with RB1. Interacts with CDK4. Interacts with MDM2. Interacts with RELA. Associates with a CDK4:CCND2 serine/threonine kinase complex. Interacts with ARHGDIA and increases the interaction between ARHGDIA and RHOA, hence promotes ARHGDIA inactivation of RHOA and ROCK.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506217
NCBI GeneID	5716
NCBI Accession #	NP_002805.1
NCBI GenBank Nucleotide #	NM_002814.3
UniProt Accession #	O75832; Q5U0B2; Q8IZK9
Molecular Weight	Observed: 24 kDa Predicted: 25 kDa
NCBI Official Full Name	26S proteasome non-ATPase regulatory subunit 10 isoform 1
NCBI Official Synonym Full Names	proteasome 26S subunit, non-ATPase 10
NCBI Official Symbol	PSMD10
NCBI Official Synonym Symbols	p28; p28(GANK); dJ889N15.2
NCBI Protein Information	26S proteasome non-ATPase regulatory subunit 10

UniProt Protein Name	26S proteasome non-ATPase regulatory subunit 10
UniProt Gene Name	PSMD10

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://www.aaabiotech.com/polyclonal/psmd10-antibody-immunohistochemistry-western-blot-elisa/326477>