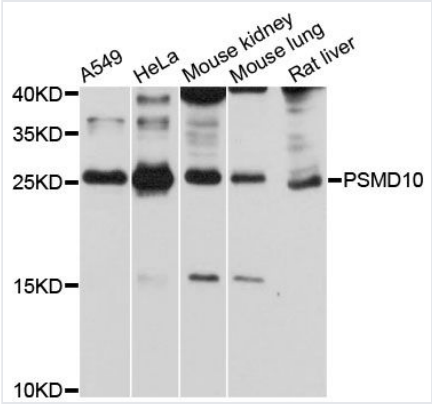
PSMD10 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PSMD10, Polyclonal Antibody
Full Product Name	PSMD10 Polyclonal Antibody
Product Gene Name	anti-PSMD10 antibody
Product Synonym Names	dJ889N15.2; p28; p28(GANK)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	24kDa
OMIM	AB009619 mRNA
3D Structure	ModBase 3D Structure for O75832
Immunogen	Recombinant protein of human PSMD10
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Product Categories/Family for anti-PSMD10 antibody	Primary antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PSMD10 antibody	Western Blot (WB)
Application Notes for anti-PSMD10 antibody	WB: 1:500 - 2000
Related Product Information for anti-PSMD10 antibody	This gene encodes a subunit of the PA700/19S complex, which is the regulatory component of the 26S proteasome. The 26S proteosome 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 paly a role in tumorigenesis. Two transcripts encoding different isoforms have been described. Pseudogenes have been identified on chromosomes 3 and 20.
Other Notes	Small volumes of anti-PSMD10 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PSMD10 purchase	MBS9132362 is an antibody targeting PSMD10. Also known as PSMD10 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-PSMD10 antibody
Western blot analysis of extracts of various cell lines, using PSMD10 antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (MBS128200) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 10s.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PSMD10. It may not necessarily be applicable to this product.

NCBI GI #	20532206
NCBI GeneID	5716
NCBI Accession #	O75832.1
UniProt Primary Accession #	O75832
UniProt Secondary Accession #	Q5U0B2; Q8IZK9
UniProt Related Accession #	O75832
NCBI Official Full Name	26S proteasome non-ATPase regulatory subunit 10
NCBI Official Synonym Full Names	proteasome 26S subunit, non-ATPase 10
NCBI Official Symbol	PSMD10
NCBI Official Synonym Symbols	p28; p28(GANK); dJ889N15.2
UniProt Protein Name	26S proteasome non-ATPase regulatory subunit 10
UniProt Synonym Protein Names	26S proteasome regulatory subunit p28; Gankyrin; p28(GANK)
Protein Family	26S proteasome non-ATPase regulatory
UniProt Gene Name	PSMD10
NCBI Protein Information	26S proteasome non-ATPase regulatory subunit 10
UniProt Comments for PSMD10	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.
Research Articles on PSMD10	**1.** gankyrin is an oncoprotein that can be modified by small molecules in tumor cell lines
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