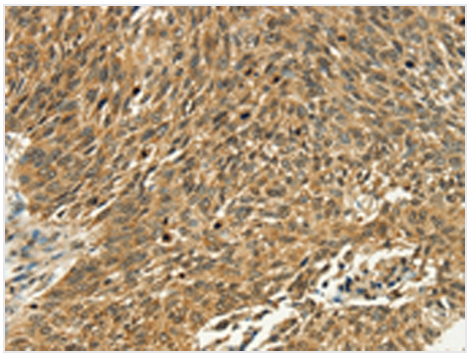
PSMD10 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PSMD10, Polyclonal Antibody
Full Product Name	PSMD10 Antibody
Product Gene Name	anti-PSMD10 antibody
Product Synonym Names	p28; p28(GANK); dJ889N15.2
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Purity/Purification	Antigen Affinity Purification
Concentration	2.4 mg/ml (lot specific)
Specificity	The antibody detects endogenous levels of total PSMD10 protein.
Preparation and Storage	Store at -20 degree C
Molecular Weight	16,137 Da
OMIM	300880
3D Structure	ModBase 3D Structure for O75832
Immunogen	Fusion protein of human PSMD10
Immunogen Type	Protein
Product Categories/Family for anti-PSMD10 antibody	Total protein Ab
Applications Tested/Suitable for anti-PSMD10 antibody	Immunohistochemistry (IHC)
Application Notes for anti-PSMD10 antibody	Immunohistochemistry: 1:25-1:100
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 isoformshave 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	MBS9415829 is an antibody targeting PSMD10. Also known as PSMD10 Antibody. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-PSMD10 antibody
Immunohistochemical analysis of paraffin-embedded Human lung cancer tissue using at dilution 1/40,

ADDITIONAL DETAILS

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

NCBI GI #	4506217
NCBI GeneID	5716
NCBI Accession #	NP_002805.1
UniProt Primary Accession #	O75832
UniProt Secondary Accession #	Q5U0B2; Q8IZK9
UniProt Related Accession #	O75832
GenBank Nucleotide #	NM_002814.3
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
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
UniProt Entry Name	PSD10_HUMAN
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 pahway, leading to prolonged AKT activation. Plays an important role in RAS-induced tumorigenesis.
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