PSD10 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PSD10, Polyclonal Antibody
Full Product Name	PSD10 rabbit pAb
Product Gene Name	anti-PSD10 antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Preparation and Storage	Store at -20 degree C for ~1 year
Molecular Weight	226
OMIM	300880
3D Structure	ModBase 3D Structure for O75832
Product Categories/Family for anti-PSD10 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PSD10 antibody	Western Blot (WB)
Application Notes for anti-PSD10 antibody	WB: 1:500-2000
Related Product Information for anti-PSD10 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.[provided by RefSeq, Mar 2011]
Other Notes	Small volumes of anti-PSD10 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 PSD10 purchase	MBS8600984 is an antibody targeting PSD10. Also known as PSD10 rabbit pAb. Reactive in Human, Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PSD10. 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 (prosome, macropain) 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)
UniProt Gene Name	PSMD10
UniProt Entry Name	PSD10_HUMAN
NCBI Protein Information	26S proteasome non-ATPase regulatory subunit 10; gankyrin; ankyrin repeat protein; 26S proteasome regulatory subunit p28; hepatocellular carcinoma-associated protein p28-II
UniProt Comments for PSD10	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. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Proteasome complex; Protease Chromosomal Location of Human Ortholog: Xq22.3 Cellular Component: proteasome complex; nucleoplasm; intermediate filament cytoskeleton; proteasome regulatory particle; cytoplasm; nucleus; cytosol Molecular Function: protein binding; transcription factor binding Biological Process: positive regulation of ubiquitin-protein ligase activity during mitotic cell cycle; negative regulation of ubiquitin-protein ligase activity during mitotic cell cycle; positive regulation of cyclin-dependent protein kinase activity; protein polyubiquitination; viral reproduction; apoptosis; negative regulation of transcription from RNA polymerase II promoter; DNA damage response, signal transduction by p53 class mediator resulting in cell cycle arrest; regulation of apoptosis; negative regulation of DNA damage response, signal transduction by p53 class mediator; antigen processing and presentation of peptide antigen via MHC class I; cytoplasmic sequestering of NF-kappaB; anaphase-promoting complex-dependent proteasomal ubiquitin-dependent protein catabolic process; antigen processing and presentation of exogenous peptide antigen via MHC class I; negative regulation of MAPKKK cascade; antigen processing and presentation of exogenous peptide antigen via MHC class I, TAP-dependent; positive regulation of cell growth; regulation of ubiquitin-protein ligase activity during mitotic cell cycle; positive regulation of protein ubiquitination; inhibition of NF-kappaB transcription factor; positive regulation of proteasomal ubiquitin-dependent protein catabolic process; gene expression; mitotic cell cycle; regulation of amino acid metabolic process; G1/S transition of mitotic cell cycle; negative regulation of apoptosis
Research Articles on PSD10	**1.** MiR-605 directly targets and represses PSMD10 expression.
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