

Anti-PSMD10 / Gankyrin Antibody (clone 4B5)

Mouse Anti Human Monoclonal Antibody

Catalog # ALS17850

Product Information

Application	WB, IHC-F, IF, E
Primary Accession	O75832
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1,k
Clone Names	4B5
Calculated MW	24428
Concentration (mg/ml)	0.5 mg/ml

Additional Information

Gene ID	5716
Alias Symbol	PSMD10
Other Names	PSMD10, 26s proteasome subunit 10, Ankyrin repeat protein, DJ889N15.2, Gankyrin, p28, p28(GANK)
Reconstitution & Storage	Protein A purified
Precautions	Anti-PSMD10 / Gankyrin Antibody (clone 4B5) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PSMD10
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.
Cellular Location	Cytoplasm. Nucleus
Tissue Location	Tends to be up-regulated in cancer cells with RAS mutations, including lung cancers and adenocarcinomas (at protein level).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.