For Research Use Only

## PSMD9 Polyclonal antibody Catalog Number: 26922-1-AP Featured Product



Basic Information	Catalog Number: 26922-1-AP	GenBank Accession Number BC004213	: Purification Method: Antigen affinity purification
	Size: 150ul, Concentration: 700 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard; Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG25638	GeneID (NCBI): 5715 UNIPROT ID: 000233 Full Name: proteasome (prosome, macr 26S subunit, non-ATPase, 9 Calculated MW: 27 kDa Observed MW: 25-30 kDa	Recommended Dilutions: WB 1:1000-1:6000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500 IF/ICC 1:50-1:500 opain)
Applications	Tested Applications: WB, IHC, IF/ICC, FC (Intra), IP, ELISA Species Specificity: human, mouse Note-IHC: suggested antigen r TE buffer pH 9.0; (*) Alternativ retrieval may be performed w buffer pH 6.0	Posit WB: Hep0 IP:A etrieval with vely, antigen ith citrate IF/IC	tive Controls: A549 cells, MCF-7 cells, MDA-MB-453s cells, G2 cells, Jurkat cells, mouse spleen tissue 4549 cells, human breast cancer tissue, CC : U2OS cells, A549 cells
Background Information	PSMD9 is a ubiquitous protein of eukaryotic cells and is a chaperon of the 26S proteasome complex, which degrades ubiquitinated proteins in eukaryotic cells and contributes to the degradation of intracellular proteins into antigenic peptides for antigen presentation by MHC class I cells. The 26S mammalian base sub-complex involves three distinct modules which have ATPase subunits distinctly associated to three chaperones, one of which is PSMD9 regulating the modules assembly. The PSMD9 ubiquitous regulatory role within the proteasome implies its potential pleiotropic effects within different physio-pathological systems. PSMD9 is known to form a stable subcomplex with PSMC3 and PSMC6, two of the AAA-ATPases, assisting in the assembly of the 20S and 19S particles to form the holo complex.		
Storage	Storage: Store at -20°C. Stable for one year after shipment. Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3.		
*** 20ul sizes contain 0.1% BSA	Aliquoting is unnecessary for -20°C s	torage	

For technical support and original validation data for this product please contact: T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA) W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



A549 cells were subjected to SDS PAGE followed by western blot with 26922-1-AP (PSMD9 Antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



WB result of PSMD9 antibody (26922-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PSMD9 transfected A549 cells.



Immunohistochemical analysis of paraffinembedded human breast cancer tissue slide using 26922-1-AP (PSMD9 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human breast cancer tissue slide using 26922-1-AP (PSMD9 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-PSMD9 (IP:26922-1-AP, 4ug; Detection:26922-1-AP 1:400) with A549 cells lysate 1330 ug.



Immunofluorescent analysis of (-20°C Methanol) fixed U2OS cells using PSMD9 antibody (26922-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.8 ug Anti-Human PSMD9 (26922-1-AP)(red), or 0.8 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using PSMD9 antibody (26922-1-AP) at dilution of 1:400 and Multi-Ab CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).