For Research Use Only

PSMD4 Monoclonal antibody

Catalog Number:66179-1-lg

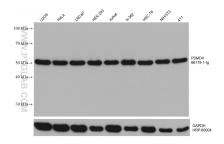


Basic Information	Catalog Number: 66179-1-Ig	GenBank Accession Number: BC002365		Purification Method: Protein G purification	
	Concentration: 1000 ug/ml	000 ug/ml 5710 ource: UNIPROT ID: louse P55036 sotype: Full Name: gG1 proteasome (prosome, macropain) mmunogen Catalog Number: 26S subunit, non-ATPase, 4		CloneNo.: 3G1A1 Recommended Dilutions: WB 1:5000-1:50000 IHC 1:20-1:200 IF/ICC 1:400-1:1600	
	Source: Mouse				
	Isotype: IgG1 Immunogen Catalog Number: AG7010				
					Observed MW: 50 kDa
		Applications	Tested Applications: WB, IHC, IF/ICC, ELISA Species Specificity: human, mouse, rat		Positive Controls: WB : U2OS cells, HeLa cells, LNCaP cells, HEK-293 cells, Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells, 4T1 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0					
Background Information	SMD4, also named as MCB1, AF or ASF, belongs to the proteasome subunit S5A family. It binds and presumably selects ubiquitin-conjugates for destruction. PSMD4 displays selectivity for longer polyubiquitin chains. It modulates intestinal fluid secretion. PSMD4 is exposed on the sperm acrosomal surface, a notion that was further supported by the binding of non-cell permeant, biotinylated proteasomal inhibitor ZL3VS to the sperm acrosome. It is involved in the sperm-ZP penetration during fertilization. (PMID: 20526895) This antibody is specific to PSMD4.				
Storage	Storage: Store at -20°C. Stable for one year Storage Buffer: PBS with 0.02% sodium azide and Aliquoting is unnecessary for -20°	50% glycerol, pH7.3			

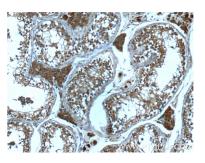
For technical support and original validation data for this product please contact:T: 4006900926E: Proteintech-CN@ptglab.comW: ptgcn.com

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

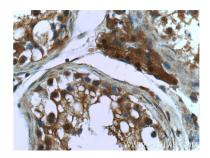
Selected Validation Data



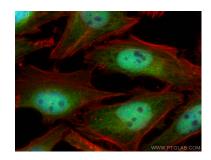
Various lysates were subjected to SDS PAGE followed by western blot with 66179-1-lg (PSMD4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



Immunohistochemical analysis of paraffinembedded human testis tissue slide using 66179-1-Ig (PSMD4 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffinembedded human testis tissue slide using 66179-1-Ig (PSMD4 Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using PSMD4 antibody (66179-1-1g, Clone: 3G1A1) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).