

For Research Use Only

Multi-rAb® PSMD4 Multi-Recombinant antibody

Catalog Number: RMX00058



Basic Information

Catalog Number: RMX00058	GenBank Accession Number: BC002365	Purification Method: N/A
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5710	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:50-1:500 IF/ICC: 1:200-1:800
Source: Rabbit	UNIPROT ID: P55036	
Isotype: IgG	Full Name: proteasome (prosome, macropain) 26S subunit, non-ATPase, 4	
	Calculated MW: 41 kDa	
	Observed MW: 50 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Species Specificity:
human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : Raji cells, K-562 cells, RAW 264.7 cells, rat spleen tissue

IHC : mouse testis tissue,

IF/ICC : HepG2 cells,

Background Information

PSMD4, also named as MCB1, AF or ASF, belongs to the proteasome subunit S5A family. PSMD4 is a 50-kD subunit of the regulatory complex of the 26S proteasome. 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)

Storage

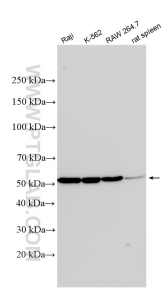
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

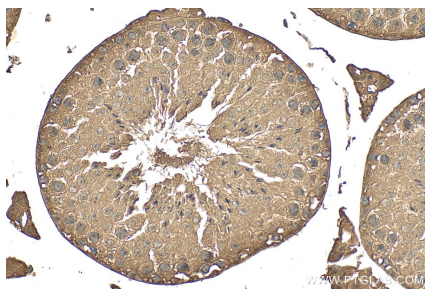
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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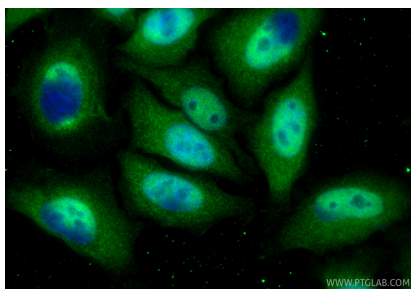
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with RMX00058 (PSMD4 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using RMX00058 (PSMD4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using PSMD4 antibody (RMX00058) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).