

PSMD4 Recombinant monoclonal antibody

Catalog Number: 86558-1-RR

Basic Information

Catalog Number:	86558-1-RR	GenBank Accession Number:	BC002365	Purification Method:	Protein A purification
Source:	Rabbit	GenelD (NCBI):	5710	CloneNo.:	251460G8
Isotype:	IgG	UNIPROT ID:	P55036	Recommended Dilutions:	WB: 1:5000-1:50000 IHC: 1:300-1:1200 IF/ICC: 1:50-1:500
Immunogen Catalog Number:	AG6691	Full Name:	proteasome (prosome, macropain) 26S subunit, non-ATPase, 4		
		Calculated MW:	41 kDa		
		Observed MW:	50 kDa		

Applications

Tested Applications:	Positive Controls:
WB, IHC, IF/ICC, ELISA	WB: HeLa cells, Jurkat cells, K-562 cells, Raji cells, NIH/3T3 cells, RAW 264.7 cells, HSC-T6 cells
Species Specificity:	IHC: mouse testis tissue, IF/ICC: HeLa cells,
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	

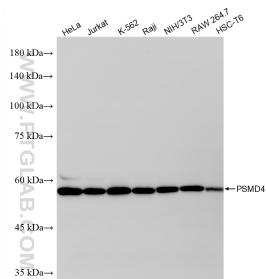
Background Information

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, pH7.3
Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86558-1-RR (PSMD4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.

