

For Research Use Only

PSMD4 Recombinant monoclonal antibody, PBS Only

Catalog Number: 86558-1-PBS



Basic Information

Catalog Number:	86558-1-PBS	GenBank Accession Number:	BC002365	Purification Method:	Protein A purification
Size:	100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI):	5710	CloneNo.:	251460G8
Source:	Rabbit	UNIPROT ID:	P55036		
Isotype:	IgG	Full Name:	proteasome (prosome, macropain) 26S subunit, non-ATPase, 4		
Immunogen Catalog Number:	AG6691	Calculated MW:	41 kDa		
		Observed MW:	50 kDa		

Applications

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

Species Specificity:
human, mouse, rat

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

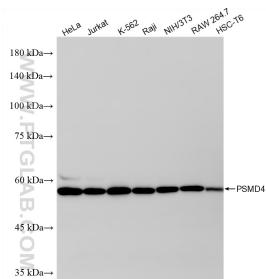
Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

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)

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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. This data was developed using the same antibody clone with 86558-1-PBS in a different storage buffer formulation.

