

For Research Use Only

PSMB9 Recombinant monoclonal antibody

Catalog Number: 87013-2-RR



Basic Information

Catalog Number: 87013-2-RR	GenBank Accession Number: BC065513	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 5698	CloneNo.: 252148A1
Isotype: IgG	UNIPROT ID: P28065	Recommended Dilutions: WB: 1:2000-1:10000 IF/ICC: 1:50-1:500
Immunogen Catalog Number: AG6048	Full Name: proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional peptidase 2)	
	Calculated MW: 23 kDa	
	Observed MW: 20-23 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : HL-60 cells, Ramos cells, Daudi cells, Raji cells, mouse spleen tissue, rat spleen tissue
	IF/ICC : HepG2 cells,

Background Information

PSMB9, also named as LMP2, PSMB6i and RING12, belongs to the peptidase T1B family. The proteasome is a multicatalytic proteinase complex which is characterized by its ability to cleave peptides with Arg, Phe, Tyr, Leu, and Glu adjacent to the leaving group at neutral or slightly basic pH. Replacement of PSMB6 by PSMB9 increases the capacity of the immunoproteasome to cleave model peptides after hydrophobic and basic residues. High expression of PSMB9 associated with the poor prognosis of patients with NPC.

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

For technical support and original validation data for this product please contact:

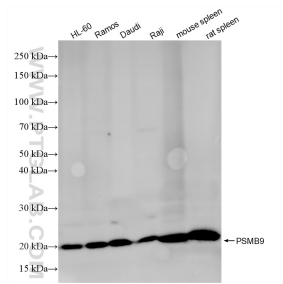
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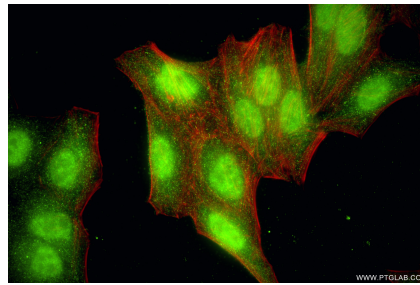
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87013-2-RR (PSMB9 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using PSMB9 antibody (87013-2-RR, Clone: 252148A1) at dilution of 1:200 and Coralite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).