

For Research Use Only

PSMB9 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87013-2-PBS



Basic Information

Catalog Number:

87013-2-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6048

GenBank Accession Number:

BC065513

GeneID (NCBI):

5698

UNIPROT ID:

P28065

Full Name:

proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional peptidase 2)

Calculated MW:

23 kDa

Observed MW:

20-23 kDa

Purification Method:

Protein A purification

CloneNo.:

252148A1

Applications

Tested Applications:

WB, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse, rat

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 -80°C.

Storage Buffer:

PBS only, pH7.3

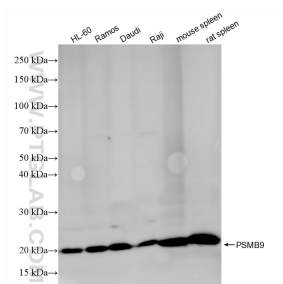
For technical support and original validation data for this product please contact:

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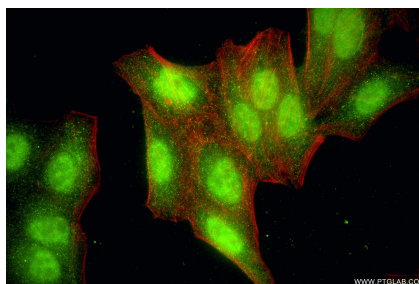
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87013-2-RR (PSMB9 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87013-2-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 87013-2-PBS in a different storage buffer formulation.