

For Research Use Only

PSME2 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87958-1-PBS



Basic Information

Catalog Number: 87958-1-PBS	GenBank Accession Number: BC019885	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 5721	CloneNo.: 253556B5
Source: Rabbit	UNIPROT ID: Q9UL46	
Isotype: IgG	Full Name: proteasome (prosome, macropain) activator subunit 2 (PA28 beta)	
Immunogen Catalog Number: AG3986	Calculated MW: 239 aa, 27 kDa	
	Observed MW: 27 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

The principal function of the proteasome is targeted degradation of intracellular proteins. Activity of the 20S proteasome is controlled by regulatory complexes that bind to the ends of the cylindrical proteasome. 11S regulator (REG or PA28), is a complex of 28 kDa subunits that is thought to activate proteasomes toward the production of antigenic peptides. Human PSME1 and PSME2 genes encode the two proteasome activators PA28 alpha and beta, respectively, which have been implicated in antigen processing for loading class I MHC molecules. The PA28 activator complex enhances the generation of class I binding peptides by altering the cleavage pattern of the proteasome.

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

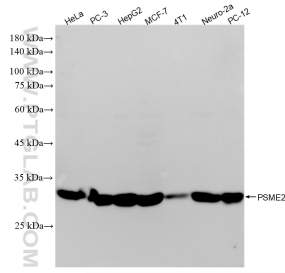
For technical support and original validation data for this product please contact:

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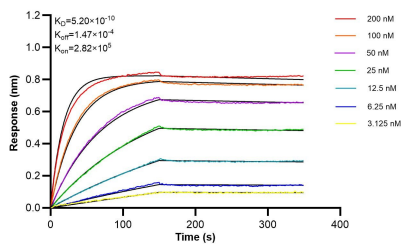
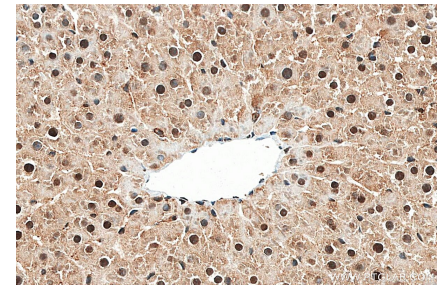
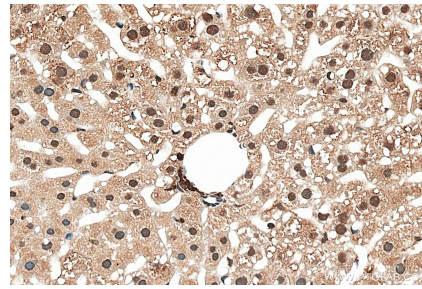
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87958-1-RR (PSME2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87958-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 87958-1-RR against Human PSME2 were performed. The affinity constant is 0.52 nM.