

For Research Use Only

LAMP5 Recombinant antibody

Catalog Number: 82992-2-RR



Basic Information

Catalog Number: 82992-2-RR	GenBank Accession Number: BC050727	Purification Method: Protein A purification
Size: 1000 ug/ml	GeneID (NCBI): 24141	CloneNo.: 230102F12
Source: Rabbit	UNIPROT ID: Q9UJQ1	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:500-1:2000
Isotype: IgG	Full Name: chromosome 20 open reading frame 103	
Immunogen Catalog Number: AG33894	Observed MW: 31-35 kDa	

Applications

Tested Applications: WB, IF/ICC, FC (Intra), ELISA	Positive Controls:
Species Specificity: human, mouse	WB : SH-SY5Y cells, U-937 cells IF/ICC : Neuro-2a cells, SH-SY5Y cells

Background Information

LAMP5 (Lysosome-associated membrane glycoprotein 5) is also named as BAD-LAMP and C20orf103. BAD-LAMP is a novel biomarker of nonactivated human plasmacytoid dendritic cells (PMID: 21642595). LAMP5 may be one of the key genes in the development of Multiple myeloma (MM) as well as its recurrence (PMID: 37033323). LAMP5 is a mammalian ortholog of the Caenorhabditis elegans protein, UNC-46, which functions as a sorting factor to localize the vesicular GABA transporter UNC-47 to synaptic vesicles (PMID: 30867010). It was localized exclusively in inhibitory synaptic terminals (PMID: 30867010).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

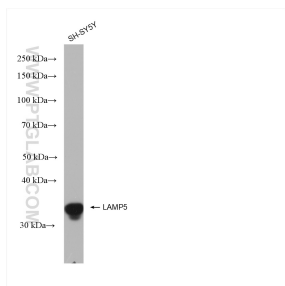
T: 4006900926

E: Proteintech-CN@ptglab.com

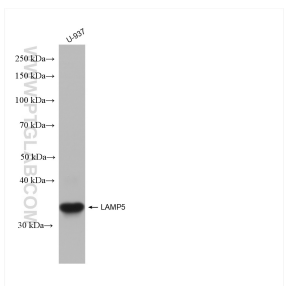
W: ptgcn.com

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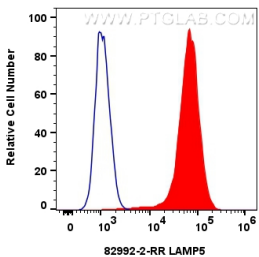
Selected Validation Data



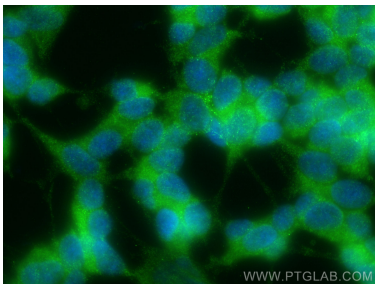
Various lysates were subjected to SDS PAGE followed by western blot with 82992-2-RR (LAMP5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



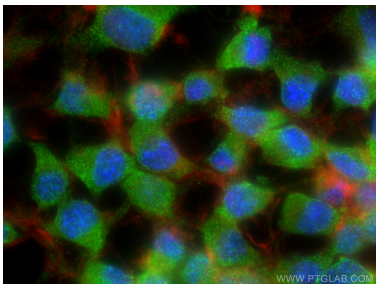
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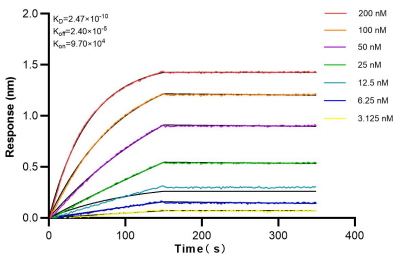
1x10⁶ SH-SY5Y cells were intracellularly stained with 0.25 ug LAMP5 Recombinant antibody (82992-2-RR, Clone:230102F12) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using LAMP5 antibody (82992-2-RR, Clone: 230102F12) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunofluorescent analysis of (4% PFA) fixed Neuro-2a cells using LAMP5 antibody (82992-2-RR, Clone: 230102F12) at dilution of 1:1000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 82992-2-RR against Human LAMP5 were performed. The affinity constant is 0.247 nM.