

For Research Use Only

# CD107b / LAMP2 Recombinant antibody, PBS Only

Catalog Number: 86269-3-PBS



## Basic Information

Catalog Number:	86269-3-PBS	GenBank Accession Number:	NM_002294.3	Purification Method:	Protein A purification
Size:	100ug, Concentration: 1 mg/ml by Nanodrop;	GenID (NCBI):	3920	CloneNo.:	250948D7
Source:	Rabbit	ENSEMBL Gene ID:	ENSG00000005893	UNIPROT ID:	P13473-1
Isotype:	IgG	Full Name:	lysosomal-associated membrane protein 2	Calculated MW:	45 kDa
Immunogen Catalog Number:	EG4998	Observed MW:	100-130 kDa		

## Applications

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

Species Specificity:  
human

## Background Information

LAMP2 (CD107b) is a Lysosomal membrane glycoprotein. LAMP2 is extensively glycosylated with asparagine-linked oligosaccharides which protect it from intracellular proteolysis (PMID: 10521503). Although LAMP-2 is localized primarily in the endosome-lysosomal membrane of cells, it is also found on the plasma membrane under certain circumstances, e.g. after platelet activation, during granulocytic differentiation and activation, and in some tumor cells (PMID: 12221139). LAMP is involved in lysosomal stability and autophagy (PMID: 12221139). This glycoprotein provides selectins with carbohydrate ligands. LAMP2 may play a role in tumor cell metastasis (PMID 9426697).

## Storage

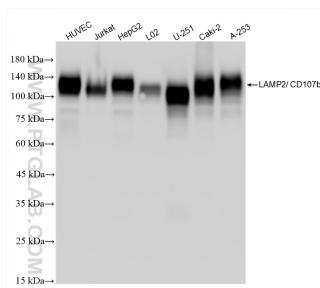
Storage:  
Store at -80°C.  
Storage Buffer:  
PBS only, pH7.3

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)

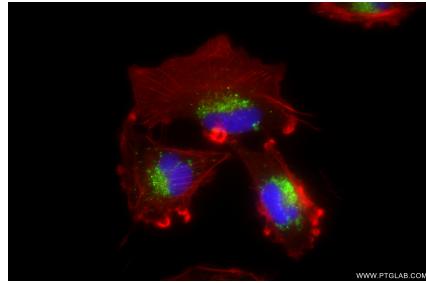
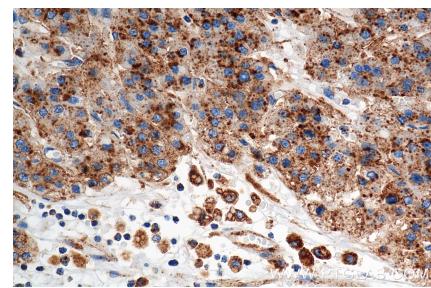
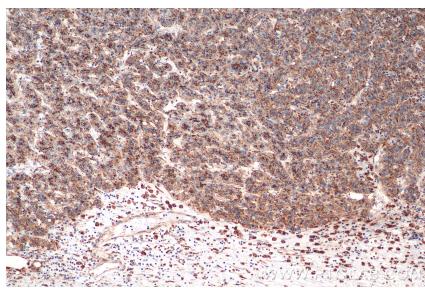
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86269-3-RR (CD107b / LAMP2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86269-3-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed U-251 cells using LAMP2/ CD107b antibody (86269-3-RR, Clone: 25094BD7) at dilution of 1:2000 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 86269-3-PBS in a different storage buffer formulation.