

For Research Use Only

# CD107b / LAMP2 Recombinant antibody, PBS Only

Catalog Number: 86269-3-PBS



## Basic Information

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

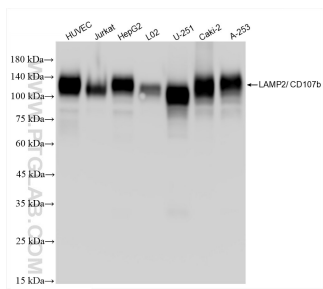
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

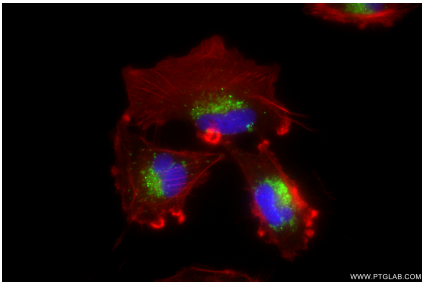
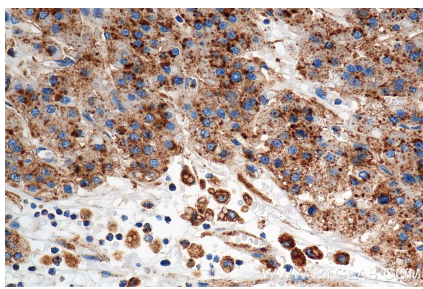
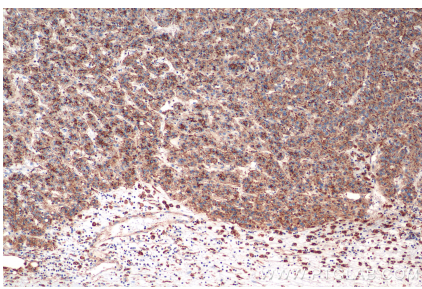
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## Selected Validation Data



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: 250948D7 ) 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.