

For Research Use Only

CD107b / LAMP2 Recombinant antibody

Catalog Number: 86269-3-RR



Basic Information

Catalog Number:	86269-3-RR	GenBank Accession Number:	NM_002294.3	Purification Method:	Protein A purification
Size:	100ul, Concentration: 1000 µg/ml by Nanodrop;	GenID (NCBI):	3920	CloneNo.:	250948D7
Source:	Rabbit	ENSEMBL Gene ID:	ENSG00000005893	Recommended Dilutions:	WB: 1:5000-1:50000 IHC: 1:500-1:2000 IF/ICC: 1:1000-1:4000
Isotype:	IgG	UNIPROT ID:	P13473-1		
Immunogen Catalog Number:	EG4998	Full Name:	lysosomal-associated membrane protein 2		
		Calculated MW:	45 kDa		
		Observed MW:	100-130 kDa		

Applications

Tested Applications:	WB, IF/ICC, ELISA	Positive Controls:	WB: HUVEC cells, Jurkat cells, HepG2 cells, LO2 cells, U-251 cells, Caki-2 cells, A-253 cells
Species Specificity:	human	IHC :	human hepatocellular cancer,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0			IF/ICC : U-251 cells,

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

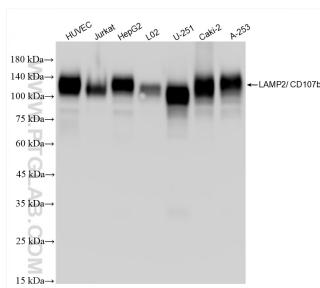
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

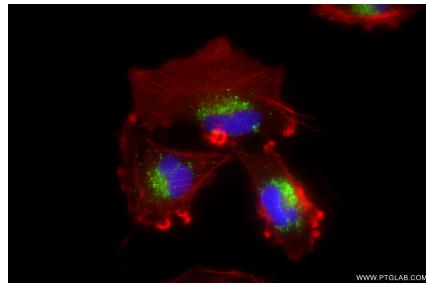
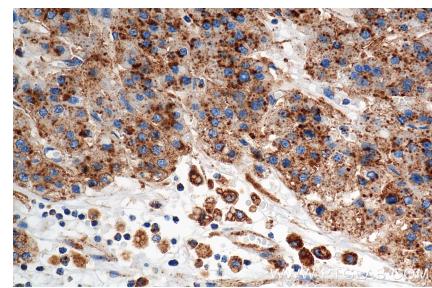
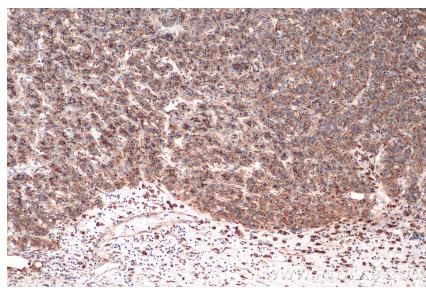
For technical support and original validation data for this product please contact:
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Selected Validation Data



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.



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).