

For Research Use Only

Multi-rAb® CD107b / LAMP2 Multi-Recombinant antibody

Catalog Number: RMX00094



Basic Information

Catalog Number: RMX00094	GenBank Accession Number: NM_002294.3	Purification Method: N/A
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 3920	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:5000-1:20000 IF/ICC: 1:50-1:500
Source: Rabbit	ENSEMBL Gene ID: ENSG00000005893	
Isotype: IgG	UNIPROT ID: P13473-1	
	Full Name: lysosomal-associated membrane protein 2	
	Calculated MW: 45 kDa	
	Observed MW: 100 kDa~ 120 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	WB : HeLa cells, HepG2 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human liver tissue,
	IF/ICC : A549 cells,

Background Information

Lysosomal-associated membrane protein 2 (LAMP2, synonyms: LAMPB, CD107b) is a member of a family of membrane glycoproteins. This glycoprotein provides selectins with carbohydrate ligands. LAMP2 may plays a role in tumor cell metastasis. It may also functions in the protection, maintenance, and adhesion of the lysosome. Prior to posttranslational modification, LAMP2 is a ~45 kDa polypeptide. Mature, functional LAMP2 is extensively glycosylated with a variety of different N linked and O linked oligosaccharides.

Storage

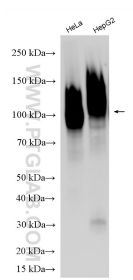
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

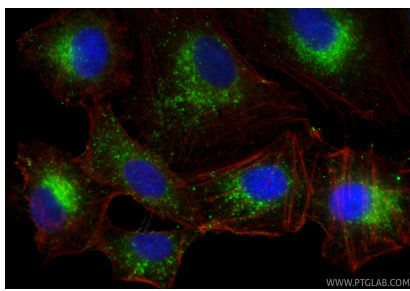
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

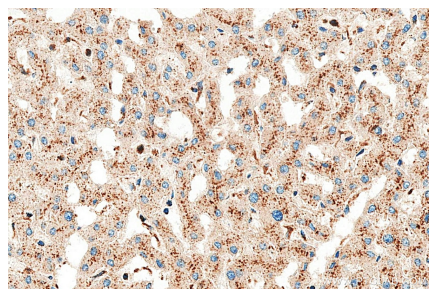
Selected Validation Data



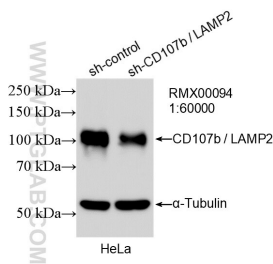
Various lysates were subjected to SDS PAGE followed by western blot with RMX00094 (CD107b / LAMP2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A549 cells using CD107b / LAMP2 antibody (RMX00094) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using RMX00094 (CD107b / LAMP2 antibody) at dilution of 1:10000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of CD107b / LAMP2 antibody (RMX00094; 1:60000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CD107b / LAMP2 transfected HeLa cells.