

For Research Use Only

CD107b / LAMP2 Polyclonal antibody

Catalog Number: 32148-1-AP



Basic Information

Catalog Number: 32148-1-AP	GenBank Accession Number: NM_001017959.2	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 550 µg/ml by Nanodrop;	GeneID (NCBI): 16784	Recommended Dilutions: WB 1:1000-1:4000 IF/ICC 1:50-1:500
Source: Rabbit	UNIPROT ID: P17047-1	
Isotype: IgG	Full Name: lysosomal-associated membrane protein 2	
	Calculated MW: 46 kDa	
	Observed MW: 70-100 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: mouse, rat	WB : NIH/3T3 cells, Neuro-2a cells, RAW 264.7 cells, mouse liver tissue, rat liver tissue
	IF/ICC : NIH/3T3 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). LAMP2 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

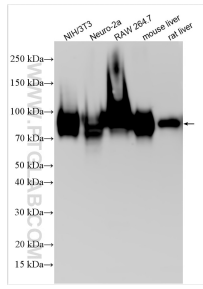
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

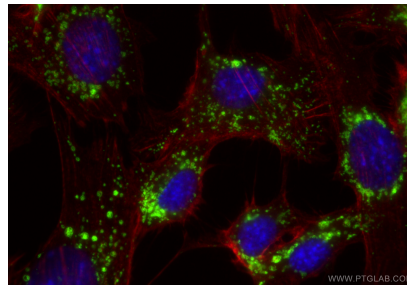
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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 32148-1-AP (CD107b / LAMP2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed NIH/3T3 cells using CD107b / LAMP2 antibody (32148-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).