

Multi-rAb® CD107b / LAMP2 Multi-Recombinant antibody

Catalog Number: RMX00094

Basic Information

Catalog Number:

RMX00094

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_002294.3

GeneID (NCBI):

3920

ENSEMBL Gene ID:

ENSG00000005893

UNIPROT ID:

P13473-1

Full Name:

lysosomal-associated membrane protein 2

Calculated MW:

45 kDa

Observed MW:

100 kDa~ 120 kDa

Purification Method:

N/A

Recommended Dilutions:

WB: 1:5000-1:50000

IHC: 1:5000-1:20000

IF/ICC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

human

Note-IHC: suggested antigen retrieval with *TE buffer pH 9.0*; (*) Alternatively, antigen retrieval may be performed with *citrate buffer pH 6.0*

Positive Controls:

WB : HeLa cells, HepG2 cells

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:

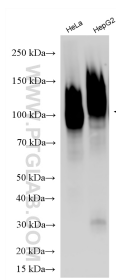
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

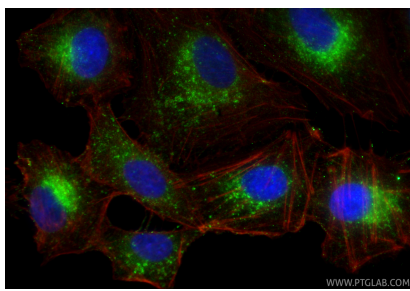
PBS with 0.02% sodium azide and 50% glycerol.

Aliquoting is unnecessary for -20°C storage

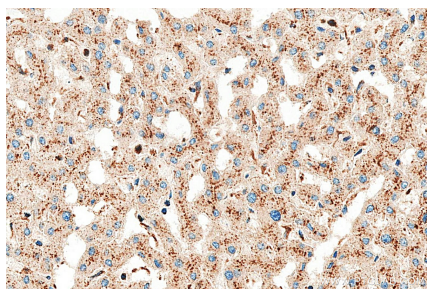
Selected Validation Data



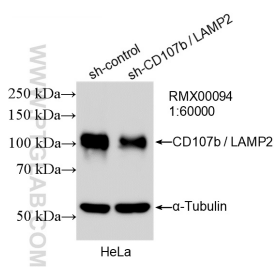
Various lysates were subjected to SDS PAGE followed by western blot with RMX00094 (CD107b / LAMP2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



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.