

CD107b Polyclonal Antibody

YT5711 Catalog No:

Reactivity: Human; Rat; Mouse;

WB;IHC;IF;ELISA **Applications:**

Target: CD107b

Fields: >>Autophagy - animal;>>Lysosome;>>Phagosome;>>Tuberculosis

Gene Name: LAMP2

Protein Name: Lysosome-associated membrane glycoprotein 2

P17047

Human Gene Id: 3920

Human Swiss Prot

P13473

No:

Mouse Swiss Prot

No:

Immunogen: The antiserum was produced against synthesized peptide derived from the

Internal region of human LAMP2. AA range:121-170

CD107b Polyclonal Antibody detects endogenous levels of CD107b protein. **Specificity:**

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500 - 1:2000. IHC: 1:100-1:300. ELISA: 1:10000.. IF 1:50-200

The antibody was affinity-purified from rabbit antiserum by affinity-**Purification:**

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

-15°C to -25°C/1 year(Do not lower than -25°C) **Storage Stability:**

1/3



Observed Band: 100kD

Cell Pathway : Lysosome;

Background : The protein encoded by this gene is a member of a family of membrane

glycoproteins. This glycoprotein provides selectins with carbohydrate ligands. It may play a role in tumor cell metastasis. It may also function in the protection, maintenance, and adhesion of the lysosome. Alternative splicing of this gene results in multiple transcript variants encoding distinct proteins. [provided by

RefSeq, Jul 2008],

Function: disease:Defects in LAMP2 are the cause of Danon disease (DAND)

[MIM:300257]; also known as glycogen storage disease type 2B (GSD2B). DAND is a lysosomal glycogen storage disease characterized by the clinical triad of cardiomyopathy, vacuolar myopathy and mental retardation. It is often associated with an accumulation of glycogen in muscle and lysosomes.,function:Implicated in tumor cell metastasis. May function in protection of the lysosomal membrane from autodigestion, maintenance of the acidic environment of the lysosome, adhesion when expressed on the cell surface (plasma membrane), and inter-and

intracellular signal transduction.,PTM:O- and N-glycosylated; some of the 16 N-linked glycans are polylactosaminoglycans.,similarity:Belongs to the LAMP family.,subcellular location:This protein shuttles between lysosomes, endosomes,

and the plasma membrane.,tissue specificity:lsoform LAMP-2A

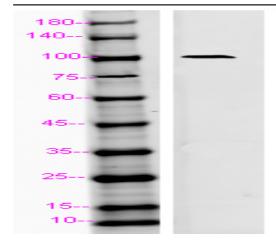
Subcellular Location:

Cell membrane; Single-pass type I membrane protein. Endosome membrane; Single-pass type I membrane protein. Lysosome membrane; Single-pass type I membrane protein. Cytoplasmic vesicle, autophagosome membrane. This protein shuttles between lysosomes, endosomes, and the plasma membrane.

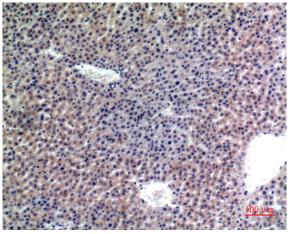
Expression:

Isoform LAMP-2A is highly expressed in placenta, lung and liver, less in kidney and pancreas, low in brain and skeletal muscle (PubMed:7488019, PubMed:26856698). Isoform LAMP-2B is detected in spleen, thymus, prostate, testis, small intestine, colon, skeletal muscle, brain, placenta, lung, kidney, ovary and pancreas and liver (PubMed:7488019, PubMed:26856698). Isoform LAMP-2C is detected in small intestine, colon, heart, brain, skeletal muscle, and at lower levels in kidney and placenta (PubMed:26856698).

Products Images



Western blot analysis of 293T using LAMP2 antibody. Antibody was diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded mouse-liver, antibody was diluted at 1:100