

LAMP1 (7D19) Rabbit Monoclonal Antibody
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Catalog # AP93825**Specification**

LAMP1 (7D19) Rabbit Monoclonal Antibody - Product Information

Application	WB, IHC, IF, FC, ICC, IP
Primary Accession	P11438
Reactivity	Mouse
Clonality	Monoclonal
Calculated MW	43865

LAMP1 (7D19) Rabbit Monoclonal Antibody - Additional Information**Gene ID** 16783**Other Names**

Lysosome-associated membrane glycoprotein 1, LAMP-1, Lysosome-associated membrane protein 1, 120 kDa lysosomal membrane glycoprotein, CD107 antigen-like family member A, LGP-120, Lysosomal membrane glycoprotein A, LGP-A, P2B, CD107a, Lamp1, Lamp-1

Dilution

WB~~1:1000
IHC~~1:100~500
IF~~1:50~200
FC~~1:10~50
ICC~~N/A
IP~~N/A

Storage Conditions

-20°C

LAMP1 (7D19) Rabbit Monoclonal Antibody - Protein Information**Name** Lamp1**Synonyms** Lamp-1**Function**

Lysosomal membrane glycoprotein which plays an important role in lysosome biogenesis, lysosomal pH regulation, autophagy and cholesterol homeostasis (PubMed:15121881). Acts as an important regulator of lysosomal lumen pH regulation by acting as a direct inhibitor of the proton channel TMEM175, facilitating lysosomal acidification for optimal hydrolase activity (By similarity). Also plays an important role in NK-cells cytotoxicity (PubMed:23847195). Mechanistically, participates in cytotoxic granule movement to the cell surface and perforin trafficking to the lytic granule (By similarity). In addition, protects NK-cells from

degranulation-associated damage induced by their own cytotoxic granule content (PubMed:23847195). Presents carbohydrate ligands to selectins (By similarity). Also implicated in tumor cell metastasis (PubMed:2676155).

Cellular Location

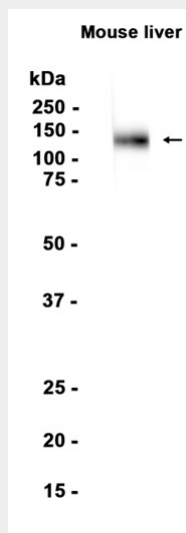
Lysosome membrane {ECO:0000250|UniProtKB:P11279}; Single-pass type I membrane protein. Endosome membrane {ECO:0000250|UniProtKB:P11279}; Single-pass type I membrane protein. Late endosome membrane {ECO:0000250|UniProtKB:P11279}; Single-pass type I membrane protein. Cell membrane; Single-pass type I membrane protein. Cytolytic granule membrane; Single-pass type I membrane protein. Note=This protein shuttles between lysosomes, endosomes, and the plasma membrane (By similarity). Colocalizes with OSBPL1A at the late endosome (By similarity). {ECO:0000250|UniProtKB:P05300, ECO:0000250|UniProtKB:P11279}

LAMP1 (7D19) Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

LAMP1 (7D19) Rabbit Monoclonal Antibody - Images



Western blot analysis of extracts from Mouse liver tissue using AP93825 at 1:1000.

LAMP1 (7D19) Rabbit Monoclonal Antibody - Background

Presents carbohydrate ligands to selectins. Also implicated in tumor cell metastasis.