

LAMP1 Rabbit mAb
Catalog # AP75665**Specification****LAMP1 Rabbit mAb - Product Information**

Application	WB, IHC
Primary Accession	P11279
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	44882

LAMP1 Rabbit mAb - Additional Information

Gene ID 3916

Other Names

LAMP1

Dilution

WB~~1/500-1/1000

IHC~~1/50-1/100

Format

Liquid

LAMP1 Rabbit mAb - Protein Information**Name** LAMP1 {ECO:0000303|PubMed:23632890, ECO:0000312|HGNC:HGNC:6499}**Function**

Lysosomal membrane glycoprotein which plays an important role in lysosome biogenesis, lysosomal pH regulation, autophagy and cholesterol homeostasis (PubMed:[37390818](http://www.uniprot.org/citations/37390818)). 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 (PubMed:[37390818](http://www.uniprot.org/citations/37390818)). Also plays an important role in NK-cells cytotoxicity (PubMed:[2022921](http://www.uniprot.org/citations/2022921), PubMed:[23632890](http://www.uniprot.org/citations/23632890)). Mechanistically, participates in cytotoxic granule movement to the cell surface and perforin trafficking to the lytic granule (PubMed:[23632890](http://www.uniprot.org/citations/23632890)). In addition, protects NK-cells from degranulation-associated damage induced by their own cytotoxic granule content (PubMed:[23847195](http://www.uniprot.org/citations/23847195)). Presents carbohydrate ligands to selectins (PubMed:[7685349](http://www.uniprot.org/citations/7685349)).

Cellular Location

Lysosome membrane; Single-pass type I membrane protein. Endosome membrane; Single-pass type I membrane protein. Late endosome membrane; 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 (PubMed:16176980). {ECO:0000250|UniProtKB:P05300, ECO:0000269|PubMed:16176980, ECO:0000269|PubMed:17897319}

LAMP1 Rabbit mAb - 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 Rabbit mAb - Images



