

LAMP1 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1823b**Specification**

LAMP1 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	P11279
Other Accession	P14562 , P11438 , P49129 , P05300 , Q05204
Reactivity	Human
Predicted	Bovine, Chicken, Hamster, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	391-417

LAMP1 Antibody (C-term) - Additional Information**Gene ID** 3916**Other Names**

Lysosome-associated membrane glycoprotein 1, LAMP-1, Lysosome-associated membrane protein 1, CD107 antigen-like family member A, CD107a, LAMP1

Target/Specificity

This LAMP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 391-417 amino acids from the C-terminal region of human LAMP1.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

LAMP1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

LAMP1 Antibody (C-term) - 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](#)). 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](#)). Also plays an important role in NK-cells cytotoxicity (PubMed:[2022921](#), PubMed:[23632890](#)). Mechanistically, participates in cytotoxic granule movement to the cell surface and perforin trafficking to the lytic granule (PubMed:[23632890](#)). In addition, protects NK-cells from degranulation-associated damage induced by their own cytotoxic granule content (PubMed:[23847195](#)). Presents carbohydrate ligands to selectins (PubMed:[7685349](#)).

Cellular Location

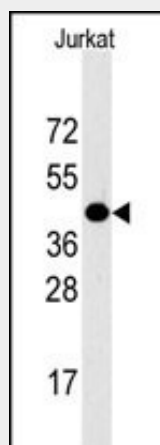
Lysosome membrane; Single-pass type I membrane protein. Endosome membrane; Single-pass type I membrane protein. Late endosome membrane; Single-pass type I membrane protein. Cell membrane; Single-pass type I membrane protein. Cytolytic granule membrane; Single-pass type I membrane protein. Note=This protein 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 Antibody (C-term) - 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 Antibody (C-term) - Images



Western blot analysis of LAMP1 Antibody (C-term) (Cat.#AP1823b) in Jurkat cell line lysates (35ug/lane). LAMP1 (arrow) was detected using the purified Pab.

LAMP1 Antibody (C-term) - Background

LAMP1 is a member of a family of membrane glycoproteins. This glycoprotein provides selectins with carbohydrate ligands. It may also play a role in tumor cell metastasis.

LAMP1 Antibody (C-term) - References

Fukuda M., J. Biol. Chem. 263:18920-18928(1988).

Sawada R., J. Biol. Chem. 268:9014-9022(1993).

LAMP1 Antibody (C-term) - Citations

- [Ambient temperature reduction extends lifespan via activating cellular degradation activity in an annual fish \(*Nothobranchius rachovii*\).](#)