

LAMP1 Antibody
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8465b

Specification

LAMP1 Antibody - Product Information

Application	IF, WB, IHC-P,E
Primary Accession	P11279
Reactivity	Human, African Green Monkey
Host	Mouse
Clonality	monoclonal
Isotype	IgG1,k

LAMP1 Antibody - 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 a mouse immunized with a recombinant protein.

Dilution

IF~~1:25
WB~~1:2000
IHC-P~~1:25

Format

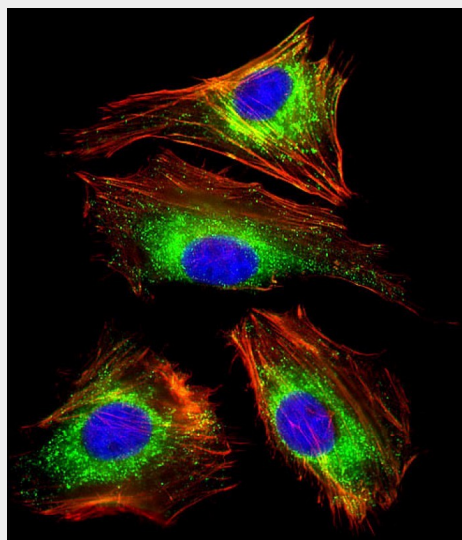
Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

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 is for research use only and not for use in diagnostic or therapeutic procedures.



Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HeLa (human cervical epithelial adenocarcinoma cell line) cells labeling LAMP1 with AM8465b at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-mouse IgG (NA166821) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing cytoplasm staining on HeLa cell line. Cytoplasmic actin is detected with Dylight® 554 Phalloidin (PD18466410) at 1/100 dilution (red).The nuclear counter stain is DAPI (blue).

LAMP1 Antibody - Protein Information

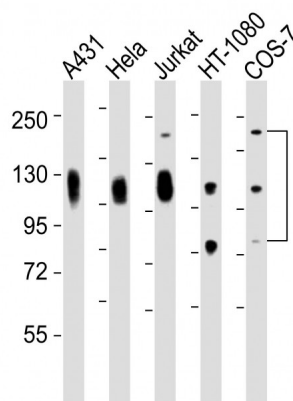
Name LAMP1 ([HGNC:6499](#))

Function

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

Cellular Location

Cell membrane
{ECO:0000250|UniProtKB:P05300};
Single-pass type I membrane protein.
Endosome membrane; Single-pass type I
membrane protein. Lysosome membrane;
Single-pass type I membrane protein. Late
endosome 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}

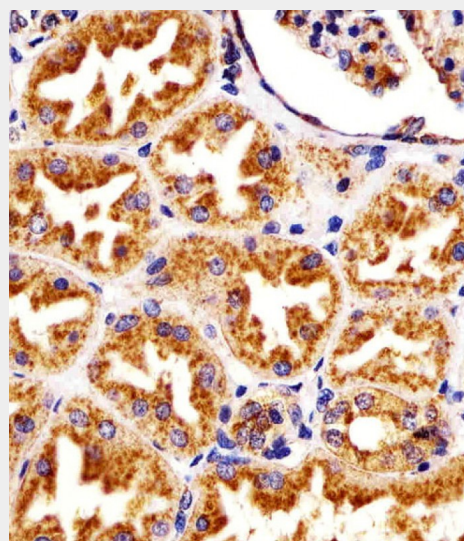


All lanes : Anti-LAMP1 Antibody at 1:2000
dilution Lane 1: A431 whole cell lysates Lane 2:
HeLa whole cell lysates Lane 3: Jurkat
whole cell lysates Lane 4: HT-1080 whole cell
lysates Lane 5: COS-7 whole cell lysates
Lysates/proteins at 20 µg per lane.
Secondary Goat Anti-mouse IgG, (H+L),
Peroxidase conjugated at 1/10000 dilution
Predicted band size : 45 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.

LAMP1 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](#)



AM8465b staining LAMP1 in human kidney
sections by Immunohistochemistry (IHC-P -
paraformaldehyde-fixed, paraffin-embedded
sections). Tissue was fixed with
formaldehyde and blocked with 3% BSA for 0.
5 hour at room temperature; antigen retrieval
was by heat mediation with a citrate buffer
(pH6). Samples were incubated with primary
antibody (1/25) for 1 hours at 37°C. A
undiluted biotinylated goat polyvalent
antibody was used as the secondary

antibody.

LAMP1 Antibody - Background

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LAMP1 Antibody - References

Fukuda M.,et al.J. Biol. Chem.
263:18920-18928(1988).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Dunham A.,et al.Nature 428:522-528(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the
EMBL/GenBank/DDBJ databases.
Mane S.M.,et al.Arch. Biochem. Biophys.
268:360-378(1989).

LAMP1 Antibody - Citations

- [L-3-n-Butylphthalide improves synaptic and dendritic spine plasticity and ameliorates neurite pathology in Alzheimer's disease mouse model and cultured hippocampal neurons](#)
- [AXL Mediates Esophageal Adenocarcinoma Cell Invasion through Regulation of Extracellular Acidification and Lysosome Trafficking](#)