

Anti-LAMP1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

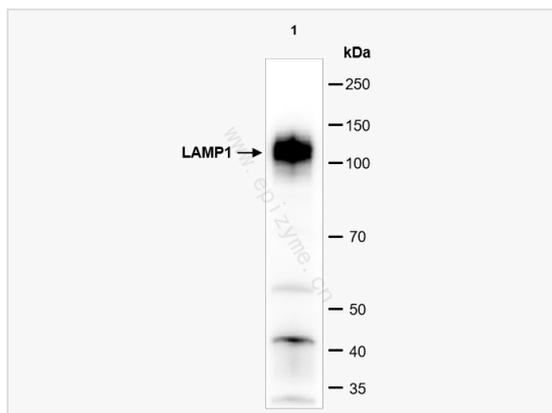
Catalog # R012843

Product Information

Application	IF (Cell)/ICC, ELISA, WB
Reactivity	Human
Dilution	WB 1:1,000~1:4,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	48M05M69
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human LAMP1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-LAMP1 Rabbit mAb [48M05M69] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	CD107 antigen like family member A, CD107 antigen-like family member A, CD107a, CD107a antigen, LAMP 1, LAMP-1, LAMP1, LAMP1_HUMAN, LAMPA, LGP120, lgpA, Lysosomal membrane glycoprotein 120KD, Lysosomal Associated Membrane Protein 1, Lysosome associated membrane glycoprotein 1, Lysosome-associated membrane glycoprotein 1, Lysosome-associated membrane protein 1, OTTHUMP00000040663.
Calculated MW	Calculated MW: 45 kDa; Observed MW: 120 kDa
Uniprot ID	P11279
Gene ID	3916
Background	Lysosomal membrane glycoprotein which plays an important role in lysosome biogenesis, lysosomal pH regulation, autophagy and cholesterol homeostasis. 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.
Cellular Location	Cell membrane. Endosome membrane. Lysosome membrane. This protein shuttles between lysosomes, endosomes, and the plasma membrane.



Western Blot - Anti-LAMP1 Rabbit mAb [48M05M69]

All lanes: R012843 at 1:4,000 dilution

Lane 1: Jurkat (Human T lymphocytic leukemia cell) whole cell lysates

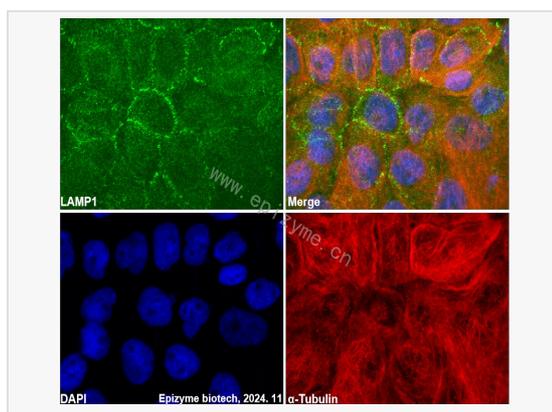
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 45 kDa

Observed band size: 120 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-LAMP1 Rabbit mAb [48M05M69]

Sample: A431 cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R012843 at 1:100 dilution and α -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).