

Rat LAMP2 Monoclonal Antibody

Anti-LAMP2 Monoclonal Antibody

CATALOG # AAA47740	HOST Rat	APPLICATIONS Immunoblot, Western Blot, Immunofluorescence
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PRODUCT SYNONYMS

LAMP2; Monoclonal Antibody; Anti-LAMP2 Monoclonal Antibody; LAMP2 Antibody; anti-LAMP2 antibody

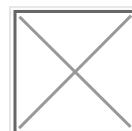
PRODUCT SPECIFICATIONS

Host	Rat
Clonality	Monoclonal
Isotype	IgG1
Specificity	This antibody recognizes human, mouse, and rabbit LAMP2 (~100-110 kDa).
Purity/Purification	Purified by Protein G affinity chromatography
Form/Format	Clear Liquid; 100ug in PBS, pH 7.4, 0.09% sodium azide, 50% glycerol. Preservative: 50% glycerol, 0.09% NaN ₃
Applicable Applications for anti-LAMP2 antibody	IB (Immunoblot), IF (Immunofluorescence)
Immunogen	Glutaraldehyde-fixed mouse liver lysosomes
Dilutions Instructions	Dilute in PBS or medium which is identical to that used in the assay system.
Preparation and Storage	Store at -20°C. Avoid repeated freezing and thawing.

IMAGES


IF (Immunofluorescence)

Distribution of lysosomes in circulating endothelial cells (CEC)


IB (Immunoblot)

Lane 1: MW ladder, Lane 2: 20ug HEK293 lysate, Lane 3: 10ug 3T3NIH lysate

ADDITIONAL INFORMATION

Related Product Information for anti-LAMP2 antibody	Lysosome-associated membrane proteins (LAMP1 and LAMP2) are major constituents of the lysosomal membrane. These two proteins have closely related structures with 37% sequence homology. Both are transmembrane glycoproteins localized primarily in lysosomes and late endosomes. LAMP2 has also been detected at the plasma membrane of cells undergoing differentiation and activation and in cells that secrete lysosomal hydrolases. In addition, it has been suggested that LAMP2 is involved in cell-cell or cell-extracellular matrix interactions. Cell surface LAMP1 and LAMP2 promote adhesion of human peripheral blood mononuclear cells (PBMC) to vascular endothelium which suggests that the LAMP proteins are involved in adhesion of PBMC to sites of inflammation. Studies with LAMP2-deficient mice indicate that involvement of LAMP2 is critical in the conversion of early autophagic vacuoles to vacuoles which rapidly degrade their contents. Defects in LAMP2 are associated with Danon disease.
Product Categories/Family for anti-LAMP2 antibody	Cell Adhesion Molecule Antibodies

References

Granger, BL et al. 1990 J Biol Chem 265: 12036-12043

NCBI AND UNIPROT INFORMATION

NCBI GeneID

16784

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/lamp2-antibody-immunoblot-immunofluorescence-elisa/47740>