

Product Datasheet

LAMP1 Antibody

Catalog No: CY6598

Reactivity: Human

Isotype: Rabbit IgG

Applications: WB IHC



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Information

UniProt ID: P11279

All Names: Lysosome-associated membrane glycoprotein 1; Lysosome-associated membrane protein 1; LAMP-1; CD107 antigen-like family member A; CD107a; LAMP1;

Form: Liquid

Storage instructions: Store at +4° C short term. Store at -20° C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 120 kDa

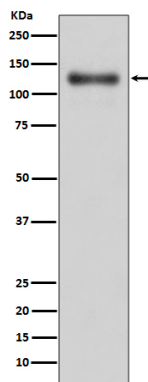
Application

WB 1:500~1:2000

IHC 1:50~1:200

Background

LAMP1 and LAMP2 (lysosome-associated membrane protein 1 and 2) are two abundant lysosomal membrane proteins. Both are transmembrane proteins and heavily glycosylated at the amino-terminal luminal side of the lysosomal inner leaflet, which protects the proteins from proteolysis. The carboxy terminus of LAMP1 is exposed to the cytoplasm and contains a tyrosine sorting motif which targets LAMP to lysosomal membranes. LAMP1 and LAMP2 are 37% homologous in their protein sequences. The cellular functions of these two proteins also overlap - both are involved in regulating lysosomal motility during lysosome-phagosome fusion and cholesterol trafficking.



Western blot analysis of LAMP1 expression in A431 cell lysate.

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