

产品名称: LAMP1 (9E4) Rabbit Monoclonal Antibody
产品货号: AMRe13207



产品概述 (Summary)

产品名称 (Production Name)	LAMP1 (9E4) Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,IF-P
种属反应性 (Reactivity)	Human

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% protective protein.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	LAMP1
别名 (Alternative Names)	LAMP-1; CD107 antigen-like family member A; CD107a; LAMP1;
基因 ID (Gene ID)	3916.0
蛋白 ID (SwissProt ID)	P11279.A synthetic peptide of human LAMP1

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:1000-1:5000,IHC 1:100-1:500,IF-P 1:100-1:500
蛋白分子量 (Molecular Weight)	45kDa

研究背景 (Background)

LAMP1 and LAMP2 (lysosome-associated membrane protein 1 and 2) are two abundant lysosomal membrane proteins.

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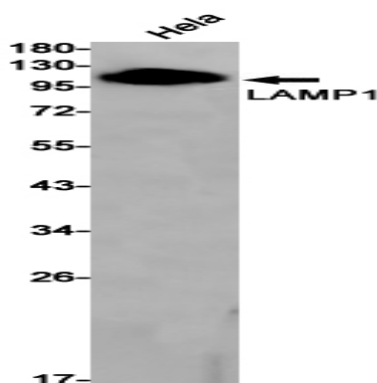


Both are transmembrane proteins and heavily glycosylated at the amino-terminal luminal side of the lysosomal inner leaflet, which protects the proteins from proteolysis. The carboxy terminus of LAMP1 is exposed to the cytoplasm and contains a tyrosine sorting motif which targets LAMP to lysosomal membranes. Lysosomal membrane glycoprotein which plays an important role in lysosome biogenesis, autophagy, and cholesterol homeostasis (By similarity). Plays also an important role in NK-cells cytotoxicity (PubMed:23632890, PubMed:2022921). 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. Also implicated in tumor cell metastasis.

研究领域 (Research Area)

Neuroscience

图片 (Image Data)



Western blot detection of LAMP1 in HeLa cell lysates using LAMP1 antibody(1:1000 diluted).

注意事项 (Note)

For research use only .