

产品名称: LAMP2 (4P12) Rabbit Monoclonal Antibody
产品货号: AMRe13209



产品概述 (Summary)

产品名称 (Production Name)	LAMP2 (4P12) 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)	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	LAMP2
别名 (Alternative Names)	LAMPB; CD107b; LAMP-2; LGP110;
基因 ID (Gene ID)	3920.0
蛋白 ID (SwissProt ID)	P13473.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:200,IF-P 1:100-1:200
蛋白分子量 (Molecular Weight)	45kDa

研究背景 (Background)

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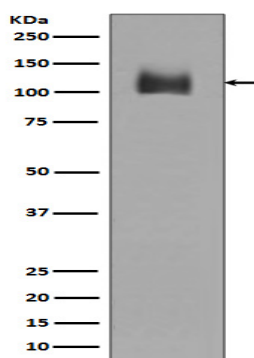
Lysosomal-associated membrane protein 2 (LAMP2, synonyms: LAMPB, CD107b) is a member of a family of membrane glycoproteins. This glycoprotein provides selectins with carbohydrate ligands. LAMP2 may plays a role in tumor cell metastasis. It may also functions in the protection, maintenance, and adhesion of the lysosome. Prior to posttranslational modification, Lysosome Associated Membrane Protein 2 (LAMP2) is a ~45 kDa polypeptide. Plays an important role in chaperone-mediated autophagy, a process that mediates lysosomal degradation of proteins in response to various stresses and as part of the normal turnover of proteins with a long biological half-life (PubMed:[8662539](http://www.uniprot.org/citations/8662539)), PubMed:[11082038](http://www.uniprot.org/citations/11082038)), PubMed:[18644871](http://www.uniprot.org/citations/18644871)), PubMed:[24880125](http://www.uniprot.org/citations/24880125)), PubMed:[27628032](http://www.uniprot.org/citations/27628032)). Functions by binding target proteins, such as GAPDH and MLLT11, and targeting them for lysosomal degradation (PubMed:[8662539](http://www.uniprot.org/citations/8662539)), PubMed:[11082038](http://www.uniprot.org/citations/11082038)), PubMed:[18644871](http://www.uniprot.org/citations/18644871)), PubMed:[24880125](http://www.uniprot.org/citations/24880125)). Plays a role in lysosomal protein degradation in response to starvation (By similarity). Required for the fusion of autophagosomes with lysosomes during autophagy (PubMed:[27628032](http://www.uniprot.org/citations/27628032)). Cells that lack LAMP2 express normal levels of VAMP8, but fail to accumulate STX17 on autophagosomes, which is the most likely explanation for the lack of fusion between autophagosomes and lysosomes (PubMed:[27628032](http://www.uniprot.org/citations/27628032)). Required for normal degradation of the contents of autophagosomes (PubMed:[27628032](http://www.uniprot.org/citations/27628032)). Required for efficient MHCII-mediated presentation of exogenous antigens via its function in lysosomal protein degradation; antigenic peptides generated by proteases in the endosomal/lysosomal compartment are captured by nascent MHCII subunits (PubMed:[20518820](http://www.uniprot.org/citations/20518820)). Is not required for efficient MHCII-mediated presentation of endogenous antigens (PubMed:[20518820](http://www.uniprot.org/citations/20518820)).

研究领域 (Research Area)

Tags & Cell Markers

图片 (Image Data)

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Western blot analysis of LAMP2 expression in JAR cell lysate.

注意事项 (Note)

For research use only .