

# LAMP1 Rabbit mAb

Catalog # AP75665

## Product Information

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Application	WB, IHC-P
Primary Accession	<a href="#">P11279</a>
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	44882

## Additional Information

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Gene ID	3916
Other Names	LAMP1
Dilution	WB~~1/500-1/1000 IHC-P~~N/A
Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

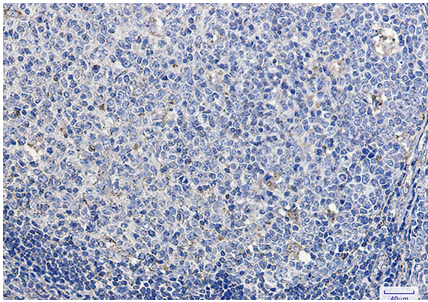
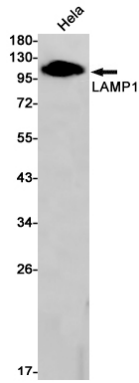
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Name	LAMP1 {ECO:0000303   PubMed:23632890, ECO:0000312   HGNC:HGNC:6499}
Function	Lysosomal membrane glycoprotein which plays an important role in lysosome biogenesis, lysosomal pH regulation, autophagy and cholesterol homeostasis (PubMed: <a href="#">37390818</a> ). 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 (PubMed: <a href="#">37390818</a> ). Also plays an important role in NK-cells cytotoxicity (PubMed: <a href="#">2022921</a> , PubMed: <a href="#">23632890</a> ). Mechanistically, participates in cytotoxic granule movement to the cell surface and perforin trafficking to the lytic granule (PubMed: <a href="#">23632890</a> ). In addition, protects NK-cells from degranulation-associated damage induced by their own cytotoxic granule content (PubMed: <a href="#">23847195</a> ). Presents carbohydrate ligands to selectins (PubMed: <a href="#">7685349</a> ).
Cellular Location	Lysosome membrane; Single-pass type I membrane protein. Endosome membrane; Single- pass type I membrane protein. Late endosome membrane; Single-pass type I membrane protein. Cell membrane; Single-pass type I membrane protein. Cytolytic granule membrane; Single-pass type I membrane protein. Note=This protein shuttles between lysosomes,

endosomes, and the plasma membrane (By similarity). Colocalizes with OSBPL1A at the late endosome (PubMed:16176980).  
{ECO:0000250|UniProtKB:P05300, ECO:0000269|PubMed:16176980, ECO:0000269|PubMed:17897319}

## Images

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.