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Anti-LAMP2 Rabbit mAb [94B84]

Catalog No.: A52045

Basic Information

Catalog No. (Cat.No.)	A52045
Host species	Rabbit
Reactivity	Human,Mouse
Applications	WB,IHC,IF,ELISA
Synonyms	LAMP2,LAMP-II,HSP73,GILT,LAMP-2

Product Information

Target	LAMP2
Molecular Weight(Calculated)	45 kDa
Molecular Weight(Observed)	120 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	94B84
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:1000-1:5000
IHC	1:200-1:1000
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Lysosome-associated membrane protein-2
Gene Name	*LAMP2*
Domain	NA
Background	LAMP2 (Lysosome-associated membrane protein 2) belongs to the lysosomal membrane glycoprotein family. It maintains lysosomal membrane stability and mediates autophagosome-lysosome fusion. LAMP2 is highly enriched on the surface of lysosomal membranes. Its heavily glycosylated structure protects the lysosomal membrane from degradation by luminal hydrolases. Meanwhile, LAMP2 participates in autophagosome-lysosome fusion and serves as a critical molecule for intact autophagic flux. LAMP2 has multiple splice variants that localize to lysosomes or the cell membrane respectively, and functional differences among these variants affect intracellular cargo transport. Defects in the LAMP2 gene cause Danon disease, characterized by lysosomal storage, myocardial and skeletal muscle lesions. In tumor cells, LAMP2 contributes to stress tolerance via autophagy, making it a classic marker for lysosome and autophagy research.