LAMP-2 Antibody

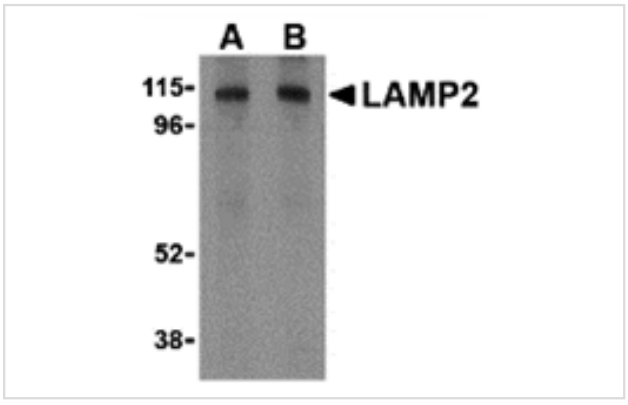
Catalog No: #24357

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

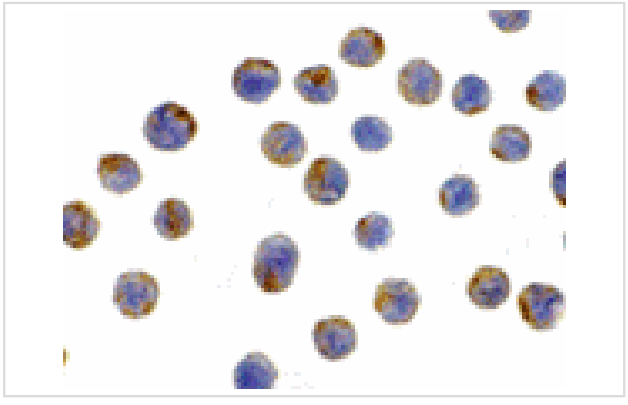
Description

Product Name	LAMP-2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB ICC
Species Reactivity	Hu Ms
Immunogen Type	Peptide
Immunogen Description	Raised against a 17 amino acid peptide from near the carboxy terminus ofhuman LAMP-2.
Target Name	LAMP-2
Other Names	LAMP-2, Lysosome associated membrane protein 2
Accession No.	Swiss-Prot:P17047Gene ID:16784
Uniprot	P17047
GeneID	16784;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of LAMP-2 in HepG2 cell lysate with LAMP-2 antibody at (A) 1 and (B) 2 ug/mL.



Immunocytochemistry of LAMP-2 in HepG2 cells with LAMP-2 antibody at 10 ug/mL.

Background

Autophagy, the process of bulk degradation of cellular proteins through an autophagosomic-lysosomal pathway is important for normal growth control and may be defective in tumor cells. It is involved in the preservation of cellular nutrients under starvation conditions as well as the normal turnover of cytosolic components and is negatively regulated by TOR (Target of rapamycin). LAMP-2, a highly glycosylated protein associated with the lysosome, has recently been shown to be important in autophagy as mice deficient in this protein failed to convert autophagic vacuoles into vacuoles leading to impaired degradation of long-lived proteins. This correlates with the finding that human LAMP-2 deficiency causing Danonβ s disease is associated with the accumulation of autophagic material in striated myocytes. LAMP-2 exists in multiple isoforms.

Note: This product is for in vitro research use only