

Rabbit anti-Human, Mouse LAMP-2 Polyclonal Antibody | anti-Lamp2 antibody

LAMP-2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39529	Rabbit	Human, Mouse	Immunohistochemistry, Immunocytochemistry, Western Blot, ELISA

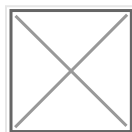
PRODUCT SYNONYMS

LAMP-2; Polyclonal Antibody; LAMP-2 Antibody; LAMP-2 Antibody: Mac3; LGP-B; CD107b; Lamp-2; Lamp II; Lamp-2a; Lamp-2b; Lamp-2c; Lysosomeassociated membrane glycoprotein 2; CD107 antigen-like family member B; anti-Lamp2 antibody

PRODUCT SPECIFICATIONS

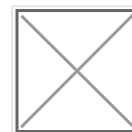
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	LAMP-2 antibody cross reacts with LAMP2B and LAMP2C, but not LAMP2A.
Purity/Purification	LAMP-2 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid; LAMP-2 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration	1 mg/mL (varies by lot)
Sequence Length	415
Applicable Applications for anti-Lamp2 antibody	IHC (Immunohistochemistry), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Homology	Predicted species reactivity based on immunogen sequence: Chicken: (75%), Rat: (75%), Bovine: (75%)
Immunogen	LAMP-2 antibody was raised against a 17 amino acid synthetic peptide from near the carboxy terminus of human LAMP-2. The immunogen is located within the last 50 amino acids of LAMP-2.
Conjugate	Unconjugated
Preparation and Storage	LAMP-2 antibody can be stored at 4°C for three months and -20°C, stable for up to 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



IHC (Immunohistochemistry)

Immunohistochemistry of LAMP-2 in mouse liver tissue with LAMP-2 Antibody at 5 µg/mL.



ICC (Immunocytochemistry)

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



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-Lamp2 antibody	LAMP-2 Antibody: 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 Danon's disease is associated with the accumulation of autophagic material in striated myocytes. LAMP-2 exists in multiple isoforms.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31543108
NCBI GeneID	16784
NCBI Accession #	NP_054701
NCBI GenBank Nucleotide #	NM_010685.4
UniProt Accession #	P17047; Q3TXG5; Q8BSG8; A2A430
Molecular Weight	45,655 Da
NCBI Official Full Name	lysosome-associated membrane glycoprotein 2 isoform 2
NCBI Official Synonym Full Names	lysosomal-associated membrane protein 2
NCBI Official Symbol	Lamp2
NCBI Official Synonym Symbols	Mac3; LGP-B; CD107b; Lamp-2; Lamp II; Lamp-2a; Lamp-2b; Lamp-2c
NCBI Protein Information	lysosome-associated membrane glycoprotein 2; lysosomal membrane glycoprotein 2; CD107 antigen-like family member B; lysosomal membrane glycoprotein type B
UniProt Protein Name	Lysosome-associated membrane glycoprotein 2
UniProt Gene Name	Lamp2
UniProt Synonym Gene Names	Lamp-2; LAMP-2; Lysosome-associated membrane protein 2; LGP-B
UniProt Entry Name	LAMP2_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/lamp-2-antibody-immunohistochemistry-immunocytochemistry-western-blot-elisa/39529>