

Rabbit anti-Human LAMP2 Polyclonal Antibody | anti-LAMP2 antibody

Anti-LAMP2 Antibody, Rabbit Polyclonal

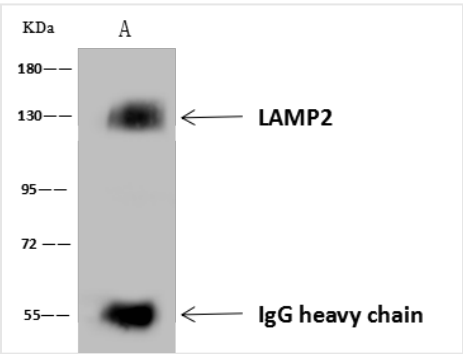
CATALOG # AAA257776	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

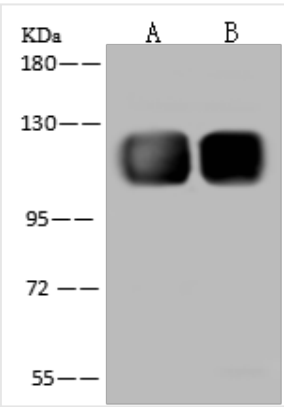
LAMP2; Polyclonal Antibody; Anti-LAMP2 Antibody; Rabbit Polyclonal; LAMP2 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-CD107b Antibody; Anti-LAMP-2 Antibody; Anti-LAMPB Antibody; Anti-LGP110 Antibody; lysosomal-associated membrane protein 2; anti-LAMP2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human LAMP2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid. PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-LAMP2 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	E Coli-derived Human LAMP2 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human LAMP2 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.



IP (Immunoprecipitation)
LAMP2 was immunoprecipitated using: Lane A: 0.5 mg HepG2 Whole Cell Lysate 4 uL anti-LAMP2 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-LAMP2 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 45 kDa. Observed band size: 130 kDa.



WB (Western Blot)
Anti-LAMP2 rabbit polyclonal antibody at 1:500 dilution. Lane A: HEK293 Whole Cell Lysate. Lane B: HepG2 Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 45 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-LAMP2 antibody	Background: LAMP2 (Lysosomal Associated Membrane Protein 2) is a Protein Coding gene. LAMP2, also known as CD107b (Cluster of Differentiation 107b), is a member of a family of membrane glycoproteins. This glycoprotein provides selectins with carbohydrate ligands. It may play a role in tumor cell metastasis. It may also function in the protection, maintenance, and adhesion of the lysosome. In humans, LAMP2, the causative gene of Danon disease, located on chromosome Xq24, encodes the lysosome-associated membrane protein-2 (LAMP-2). LAMP-2 deficiency, or Danon disease, is a rare X-linked lysosomal disease characterized by cardiomyopathy, vacuolar myopathy, and mental retardation. LAMP2 cardiomyopathy is an X-linked and highly progressive myocardial storage disorder associated with diminished survival, which clinically resembles sarcomeric hypertrophic cardiomyopathy.
References	Maron BJ, et al. (2010) Profound left ventricular remodeling associated with LAMP2 cardiomyopathy. Am J Cardiol. 106(8): 1194-6. Di Blasi C, et al. (2008) Danon disease: a novel LAMP2 mutation affecting the pre-mRNA splicing and causing aberrant transcripts and partial protein expression. Neuromuscul Disord. 18(12): 962-6. Echaniz-Laguna A, et al. (2006) Novel Lamp-2 gene mutation and successful treatment with heart transplantation in a large family with Danon disease. Muscle Nerve. 33(3): 393-7.

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.