

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

Anti-LAMP2 Antibody, Rabbit Polyclonal

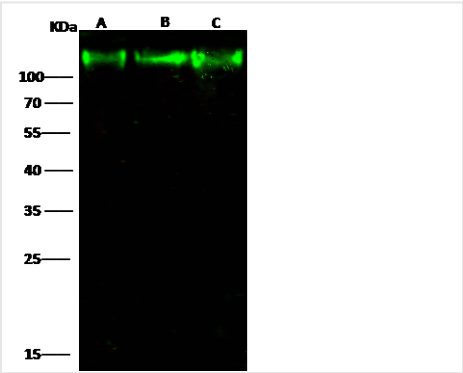
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255688	Rabbit	Human	Immunoprecipitation, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

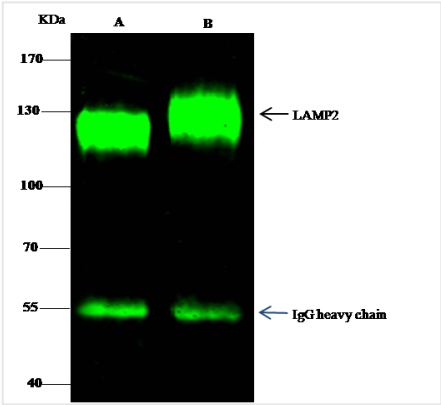
LAMP2; Polyclonal Antibody; Anti-LAMP2 Antibody; Rabbit Polyclonal; LAMP2/CD107b Antibody; Rabbit PAb; Antigen Affinity Purified; lysosomal-associated membrane protein 2; Anti-CD107b Antibody; Anti-LAMP-2 Antibody; Anti-LAMPB Antibody; Anti-LGP110 Antibody; anti-LAMP2 antibody

PRODUCT SPECIFICATIONS

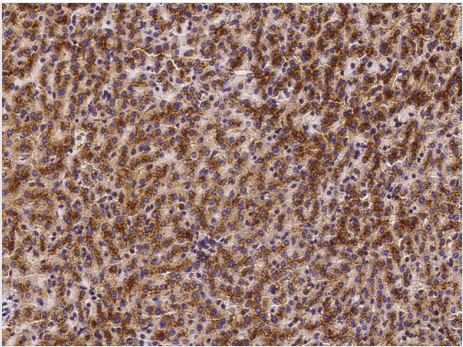
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human LAMP2/CD107b
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-LAMP2 antibody	IP (Immunoprecipitation), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant Human LAMP2/CD107b Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human LAMP2/CD107b (rh LAMP2/CD107b). LAMP2/CD107b specific IgG was purified by Human LAMP2/CD107b 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. Preservative-Free. Avoid repeated freeze-thaw cycles.



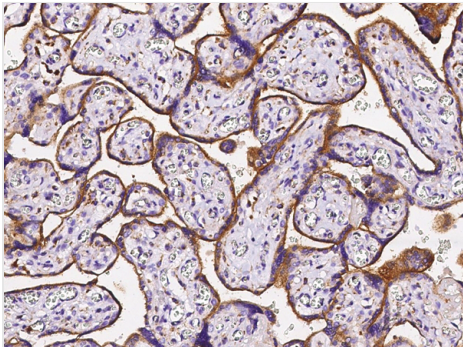
WB (Western Blot)
Anti-LAMP2 rabbit polyclonal antibody at 1:500 dilution
Lane A: HepG2 Whole Cell Lysate
Lane B: Jurkat Whole Cell Lysate
Lane C: HeLa Whole Cell Lysate
Lysates/proteins at 30 ug per lane.
Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 45 kDa
Observed band size: 120 kDa



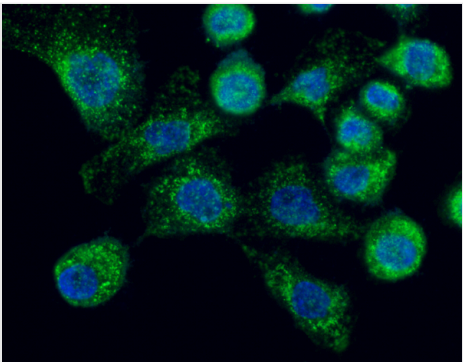
IP (Immunoprecipitation)
LAMP2-His was immunoprecipitated using:
Lane A: 0.5 mg HepG2 Whole Cell Lysate
Lane B: 0.5 mg 293T Whole Cell Lysate
2 uL anti-LAMP2-His rabbit polyclonal antibody and 15 uL of 50 % Protein G agarose.
Primary antibody: Anti-LAMP2-His rabbit polyclonal antibody, at 1:100 dilution
Secondary antibody: Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution
Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 45 kDa
Observed band size: 120 kDa



IHC (Immunohistochemistry)
Immunochemical staining of human LAMP2 in human liver with rabbit polyclonal antibody (1:5000, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)
Immunochemical staining of human LAMP2 in human placenta with rabbit polyclonal antibody (1:5000, formalin-fixed paraffin embedded sections).



IF (Immunofluorescence)
Immunofluorescence staining of LAMP2 in A431 cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-human LAMP2 polyclonal antibody (1:1000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to cytoplasm.

ADDITIONAL INFORMATION

Related Product Information for anti-LAMP2 antibody	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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7669503
NCBI GeneID	3920
NCBI Accession #	NP_054701.1
NCBI GenBank Nucleotide #	NM_013995.2
UniProt Accession #	P13473; Q16641; Q6Q3G8; Q96J30; Q99534; Q9UD93; A8K4X5; D3DTF0
Molecular Weight	45,170 Da
NCBI Official Full Name	lysosome-associated membrane glycoprotein 2 isoform B
NCBI Official Synonym Full Names	lysosomal-associated membrane protein 2
NCBI Official Symbol	LAMP2
NCBI Official Synonym Symbols	LAMPB; CD107b; LAMP-2; LGP110
NCBI Protein Information	lysosome-associated membrane glycoprotein 2; CD107 antigen-like family member B
UniProt Protein Name	Lysosome-associated membrane glycoprotein 2
UniProt Gene Name	LAMP2
UniProt Synonym Gene Names	LAMP-2; Lysosome-associated membrane protein 2
UniProt Entry Name	LAMP2_HUMAN

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/lamp2-antibody-immunoprecipitation-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/255688>