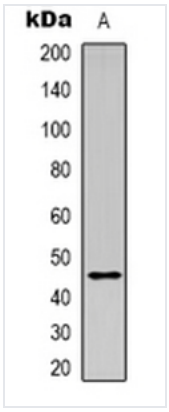
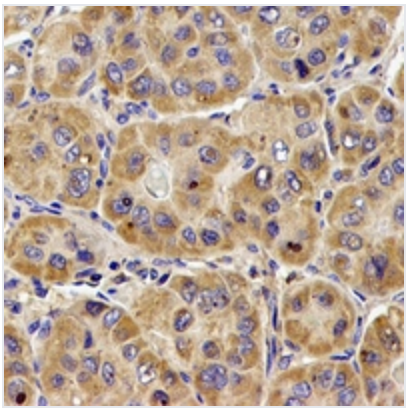
Cd107b (LAMP2) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CD107b (LAMP2), Polyclonal Antibody
Full Product Name	Anti-CD107b Antibody
Product Gene Name	anti-LAMP2 antibody
Product Synonym Names	Lysosome-associated membrane glycoprotein 2; LAMP-2; Lysosome-associated membrane protein 2; CD107 antigen-like family member B; CD107b
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid in 0.42% Potassium Phosphate, 0.87% Sodium Chloride, pH 7.3, 30% Glycerol, and 0.01% Sodium Azide.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of CD107b protein.
Preparation and Storage	Upon receipt aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.
Antibody/Peptide Pairs	CD107b peptide (MBS8243767) is used for blocking the activity of CD107b antibody (MBS8242676)
OMIM	300257
3D Structure	ModBase 3D Structure for P13473
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD107b. The exact sequence is proprietary.
Applications Tested/Suitable for anti-LAMP2 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-LAMP2 antibody	WB: (1/500 - 1/1000) IHC: (1/100 - 1/200)
Related Product Information for anti-LAMP2 antibody	MBS8242676 is an antibody targeting LAMP2. Also known as Anti-CD107b Antibody. Reactive in Human. Host: Rabbit. Rabbit polyclonal antibody to CD107b
Other Notes	Small volumes of anti-LAMP2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-LAMP2 antibody
Western blot analysis of CD107b expression in HEK293T (A) whole cell lysates.



Immunohistochemistry (IHC) of anti-LAMP2 antibody
Immunohistochemical analysis of CD107b staining in mouse liver formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LAMP2. It may not necessarily be applicable to this product.

NCBI GI #	1708854
NCBI GeneID	3920
NCBI Accession #	P13473.2
UniProt Primary Accession #	P13473
UniProt Secondary Accession #	Q16641; Q6Q3G8; Q96J30; Q99534; Q9UD93; A8K4X5; D3DTF0
UniProt Related Accession #	P13473
NCBI Official Full Name	Lysosome-associated membrane glycoprotein 2
NCBI Official Synonym Full Names	lysosomal associated membrane protein 2
NCBI Official Symbol	LAMP2
NCBI Official Synonym Symbols	LAMPB; CD107b; LAMP-2; LGP110
UniProt Protein Name	Lysosome-associated membrane glycoprotein 2
UniProt Synonym Protein Names	CD107 antigen-like family member B; CD_antigen: CD107b
Protein Family	Lysosome-associated membrane glycoprotein
UniProt Gene Name	LAMP2
UniProt Synonym Gene Names	LAMP-2; Lysosome-associated membrane protein 2
UniProt Entry Name	LAMP2_HUMAN
NCBI Protein Information	lysosome-associated membrane glycoprotein 2
NCBI Summary for LAMP2	The protein encoded by this gene 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. Alternative splicing of this gene results in multiple transcript variants encoding distinct proteins. [provided by RefSeq, Jul 2008]

UniProt Comments for LAMP2	LAMP2: Implicated in tumor cell metastasis. May function in protection of the lysosomal membrane from autodigestion, maintenance of the acidic environment of the lysosome, adhesion when expressed on the cell surface (plasma membrane), and inter- and intracellular signal transduction. Protects cells from the toxic effects of methylating mutagens. Defects in LAMP2 are the cause of Danon disease (DAND); also known as glycogen storage disease type 2B (GSD2B). DAND is a lysosomal glycogen storage disease characterized by the clinical triad of cardiomyopathy, vacuolar myopathy and mental retardation. It is often associated with an accumulation of glycogen in muscle and lysosomes. Belongs to the LAMP family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: Xq24 Cellular Component: extracellular space; integral to membrane; late endosome; late endosome membrane; lysosomal lumen; lysosomal membrane; lysosome; membrane; phagocytic vesicle membrane; plasma membrane; platelet dense granule membrane Molecular Function: enzyme binding; protein binding; protein domain specific binding Biological Process: blood coagulation; platelet activation; platelet degranulation; protein import; protein stabilization; regulation of protein stability Disease: Danon Disease
Research Articles on LAMP2	**1.** Down-regulation of LAMP2A expression could inhibit cell proliferation in multiple myeloma cells
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-lamp2-human-antibody/cd107b/8242676