

Mouse anti-Mouse, Human LAMP2 / CD107b Monoclonal Antibody | anti-LAMP2 / CD107b antibody

Anti-LAMP2 / CD107b Antibody IHC-plus

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA52590	Mouse	Mouse, Human	Western Blot, Immunofluorescence, Immunohistochemistry

PRODUCT SYNONYMS

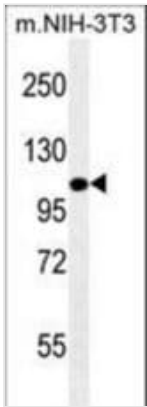
LAMP2 / CD107b; Monoclonal Antibody; Anti-LAMP2 / CD107b Antibody IHC-plus; Mouse Monoclonal (IgG1; k) to Mouse LAMP2 / CD107b; Mouse LAMP2 / CD107b; LAMP2; CD107b; CD107b antigen; LAMPB; LGP110; LAMP-2; anti-LAMP2 / CD107b antibody

PRODUCT SPECIFICATIONS

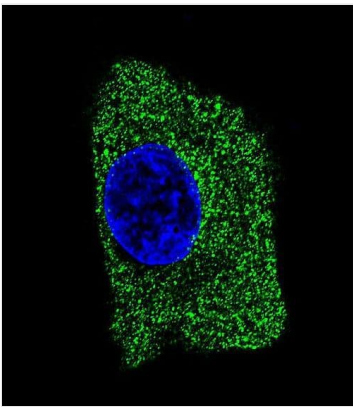
Host	Mouse
Reactivity	Mouse, Human
Clonality	Monoclonal
Isotype	IgG1,k
Specificity	Mouse CD107b / LAMP2
Purity/Purification	Protein G purified
Form/Format	PBS, 0.09% sodium azide
Sequence Length	410
Applicable Applications for anti-LAMP2 / CD107b antibody	WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen Species	LAMP2 / CD107b antibody was raised against Mouse
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.

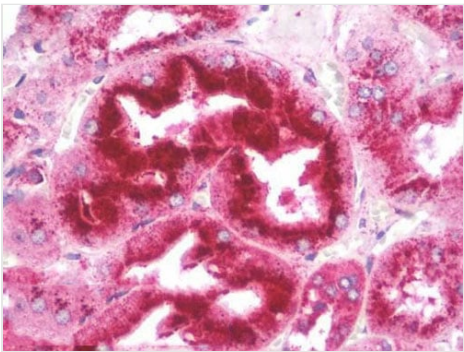
IMAGES



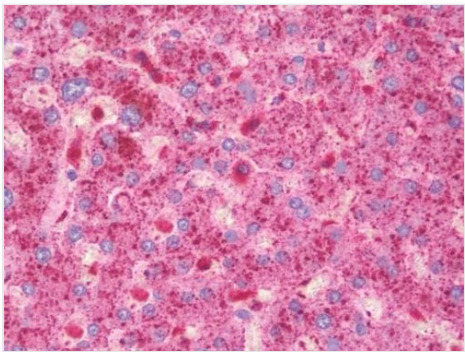
WB (Western Blot)
LAMP2 Antibody western blot of mouse NIH-3T3 cell line lysates (35 ug/lane). The LAMP2 antibody detected the LAMP2 protein (arrow).



IF (Immunofluorescence)
Confocal immunofluorescence of LAMP2 Antibody with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-mouse IgG (green). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)
Anti-LAMP2 / CD107b antibody IHC staining of human kidney. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody dilution 1:50.



IHC (Immunohistochemistry)
Anti-LAMP2 / CD107b antibody IHC staining of human liver. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-LAMP2 / CD107b antibody	LAMP2 Antibody, CD107b Antibody, CD107b antigen Antibody, LAMPB Antibody, LGP110 Antibody, LAMP-2 Antibody Description: 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.
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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
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
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/monoclonal/lamp2-cd107b-antibody-western-blot-immunofluorescence-immunohistochemistry-elisa/52590>