

Product Name: KD-Validated LAMP1 /CD107a Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA00548

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 44.9kDa

Antigen Information

Gene Name	LAMP1 CD107a; Lysosome-Associated Membrane Glycoprotein 1; Lysosome-Associated Membrane
Alternative Names	Protein 1; CD107 Antigen-Like Family Member A; LAMP-1; Lysosomal-Associated Membrane Protein 1; CD107a Antigen; LGP120; LAMPA
Gene ID	3916.0
SwissProt ID	P11279
Immunogen	A synthesized peptide derived from human LAMP1

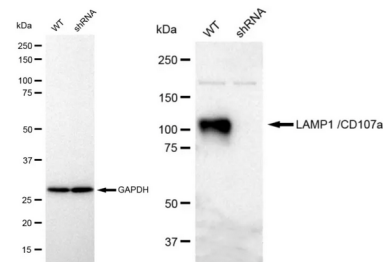
Background

The protein encoded by this gene is a member of a family of membrane glycoproteins. This glycoprotein provides selectins with carbohydrate ligands. It may also play a role in tumor cell metastasis. [provided by RefSeq, Jul 2008]

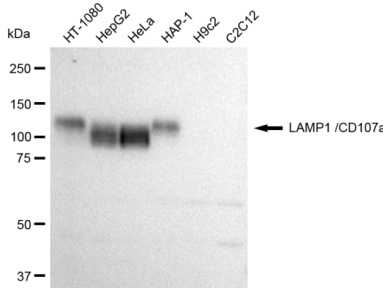
Research Area

Neuroscience, Tags & Cell Markers, Signal Transduction, Microbiology, Stem Cells, Cancer, Metabolism

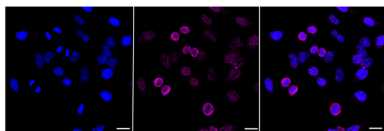
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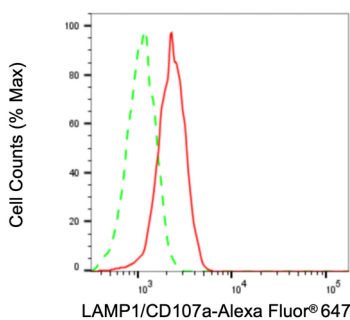
Western blotting analysis using LAMP1 /CD107a antibody (KVA00548). LAMP1 /CD107a expression in wild type (WT) and LAMP1 /CD107a shRNA knockdown (KD) HT-1080 cells with 30 µg of total cell lysates. GAPDH serves as a loading control. The blot was incubated with LAMP1 /CD107a antibody (KVA00548, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using LAMP1 /CD107a antibody (KVA00548). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with LAMP1 /CD107a antibody (KVA00548, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells with LAMP1 /CD107a antibody (KVA00548, 1:1,000). Nuclei were stained blue with DAPI; LAMP1 /CD107a was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Low. Scale bar: 20 µm.



Flow cytometric analysis of LAMP1/CD107a expression in HepG2 cells using LAMP1/CD107a antibody (KVA00548, 1:2,000). Green, isotype control; red, LAMP1/CD107a.