

[KD Validated] LAMP1/CD107a Rabbit mAb

Catalog No.: A21194

Recombinant

1 Publications

Basic Information

Observed MW

42kDa,90-120kDa

Calculated MW

38kDa/45kDa

Category

Primary antibody

Applications

ELISA,WB,IHC-P,IF/ICC,FC (intra)

Cross-Reactivity

Human

CloneNo number

ARC52154

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.

Recommended Dilutions

WB	1:2000 - 1:10000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200
FC (intra)	1:100 - 1:500

Immunogen Information

Gene ID

3916

Swiss Prot

P11279

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 29-382 of human LAMP1/CD107a (NP_005552.3).

Synonyms

LAMPA; CD107a; LGP120

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

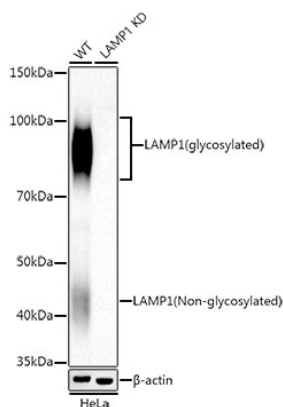
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Western blot analysis of lysates from wild type (WT) and LAMP1 knockdown (KD) HeLa cells, using [KD Validated] LAMP1/CD107a Rabbit mAb (A21194) at 1:10000 dilution.

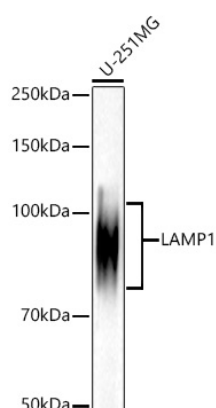
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 20s.



Western blot analysis of lysates from U-251MG cells, using [KD Validated] LAMP1/CD107a Rabbit mAb (A21194) at 1:10000 dilution.

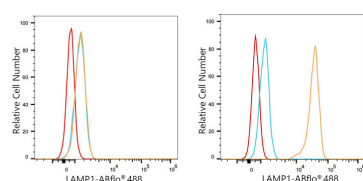
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

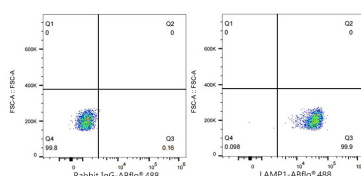
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

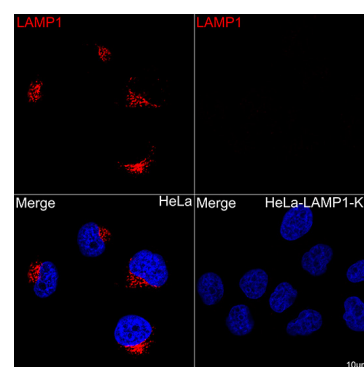
Exposure time: 20s.



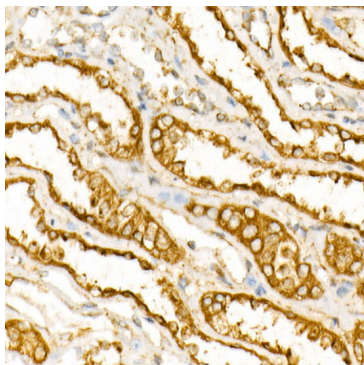
Flow cytometry: 1×10^6 knockdown (KD) HeLa cells (negative control, left) and HeLa cells (right) were intracellularly-stained with [KD Validated] LAMP1/CD107a Rabbit mAb (A21194, 2.5 µg/mL, orange line) or ABflo® 488 Rabbit IgG isotype control (A22069, 5 µg/mL, blue line), followed by FITC conjugated goat anti-Rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1×10^6 HeLa cells were intracellularly-stained with ABflo® 488 Rabbit IgG isotype control (A22069, 5 µg/mL, left) or [KD Validated] LAMP1/CD107a Rabbit mAb (A21194, 2.5 µg/mL, right).



Confocal imaging of HeLa and HeLa-LAMP1-KD cells using [KD Validated] LAMP1/CD107a Rabbit mAb (A21194, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Immunohistochemistry analysis of LAMP1/CD107a in paraffin-embedded human kidney using [KD Validated] LAMP1/CD107a Rabbit mAb (A21194) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.