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[KO Validated] LAMP2 Rabbit mAb

Catalog No.: A25646 KO Validated Recombinant

Basic Information

Observed MW
100-130kDa

Calculated MW
45kDa

Category
Primary antibody

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

Cross-Reactivity
Human

CloneNo number
ARC54767

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 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.

Recommended Dilutions

WB	1:20000 - 1:120000
IHC	1:200 - 1:2000
IF/ICC	1:200 - 1:800
FC (intra)	1:500 - 1:1000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
3920

Swiss Prot
P13473

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 29-375 of human LAMP2 (NP_002285.1).

Synonyms
DND; LAMPB; CD107b; LAMP-2; LGP-96; LGP110

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

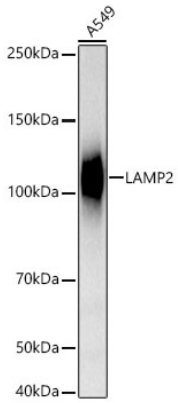
Contact

400-999-6126

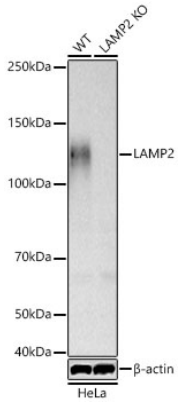
cn.market@abclonal.com.cn

www.abclonal.com.cn

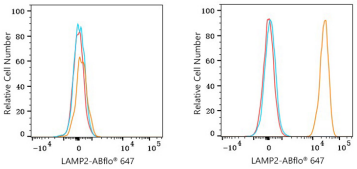
Validation Data



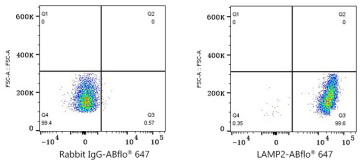
Western blot analysis of lysates from A549 cells using [KO Validated] LAMP2 Rabbit mAb (A25646) at 1:20000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time:10s.



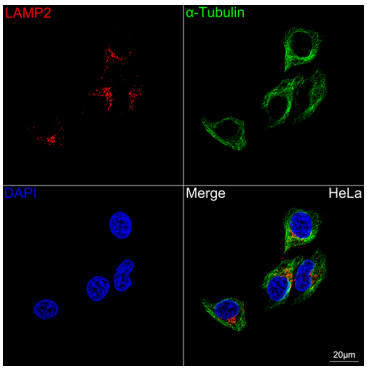
Western blot analysis of lysates from wild type (WT) and LAMP2 knockout (KO) HeLa cells using [KO Validated] LAMP2 Rabbit mAb (A25646) at 1:20000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.



Flow cytometry: 1X10^6 knockout (KO) HeLa cells (negative control,left) and Hela cells (right) were intracellularly-stained with [KO Validated] LAMP2 Rabbit mAb (A25646,2 µg/mL,orange line) or Rabbit IgG isotype control (AC042,2 µg/mL,blue line), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).

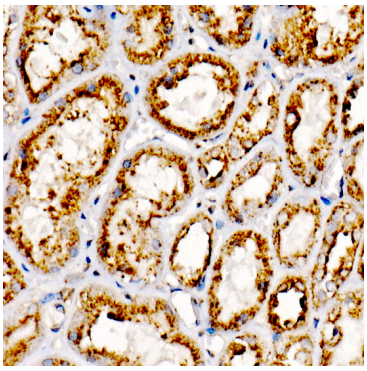


Flow cytometry: 1X10^6 knockout (KO) HeLa cells (negative control,left) and Hela cells (right) were intracellularly-stained with Rabbit IgG isotype control (AC042,2 µg/mL,left) or [KO Validated] LAMP2 Rabbit mAb (A25646,2 µg/mL,right), followed by Alexa Fluor® 647 conjugated goat anti-Rabbit pAb staining.



Confocal imaging of HeLa cells using [KO Validated] LAMP2 Rabbit mAb (A25646, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.

Validation Data



Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using [KO Validated] LAMP2 Rabbit mAb (A25646) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.