

LAMP2 antibody

Cat. No. GTX103214

| | |
|---------------------|-------------------|
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Applications | WB, ICC/IF, IHC-P |
| Reactivity | Human |

References (12)

 Review (2)

Package

100 µl, 25 µl

PRODUCT

Summary

LAMP2 antibody detects lysosome-associated membrane protein 2 (LAMP-2, or CD107b), a transmembrane glycoprotein that generally migrates at ~120 kDa on western blot. LAMP-2 has a similar distribution to LAMP-1 in endolysosomal and autophagic organelles. Moreover, like LAMP-1, LAMP-2 has been used to study lysosome biology.

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

| Suggested dilution | Recommended dilution |
|--------------------|----------------------|
| WB | 1:500-1:3000 |
| ICC/IF | 1:100-1:1000 |
| IHC-P | 1:100-1:1000 |

Not tested in other applications.

Calculated MW 45 kDa. ([Note](#))

Properties

| | |
|----------------------|--|
| Form | Liquid |
| Buffer | PBS, 1% BSA, 20% Glycerol |
| Preservative | 0.025% ProClin 300 |
| Storage | Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles. |
| Concentration | 0.42 mg/ml (Please refer to the vial label for the specific concentration.) |
| Immunogen | Recombinant protein encompassing a sequence within the center region of human LAMP2. The exact sequence is proprietary. |
| Purification | Purified by antigen-affinity chromatography. |
| Conjugation | Unconjugated |



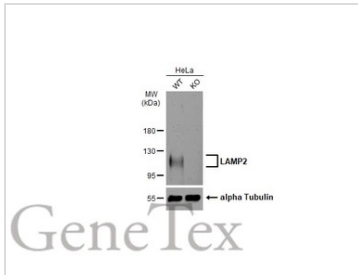
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Note

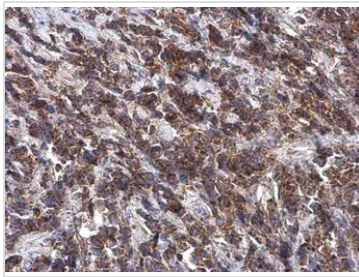
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DATA IMAGES



GTX103214 WB Image

Wild-type (WT) and LAMP2 knockout (KO) HeLa cell extracts (30 μ g) were separated by 7.5% SDS-PAGE, and the membrane was blotted with LAMP2 antibody (GTX103214) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced.



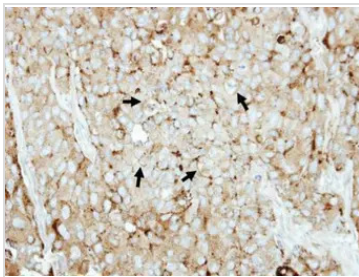
GTX103214 IHC-P Image

LAMP2 antibody detects LAMP2 protein at cytoplasm by immunohistochemical analysis.

Sample: Paraffin-embedded human breast carcinoma.

LAMP2 stained by LAMP2 antibody (GTX103214) diluted at 1:1000.

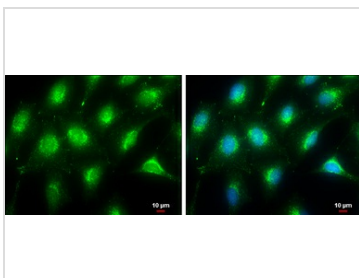
Antigen Retrieval: Tris-EDTA buffer, pH 9.0, 15 min



GTX103214 IHC-P Image

Immunohistochemical analysis of paraffin-embedded BT474 xenograft, using LAMP2(GTX103214) antibody at 1:500 dilution.

Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min



GTX103214 ICC/IF Image

LAMP2 antibody detects LAMP2 protein at lysosome by immunofluorescent analysis.

Sample: HeLa cells were fixed in ice-cold MeOH for 5 min.

Green: LAMP2 stained by LAMP2 antibody (GTX103214) diluted at 1:500.

Blue: Hoechst 33342 staining.

Scale bar= 10 μ m.



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