

bs-41335R

[Primary Antibody]

LAMP1 Rabbit pAb

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— DATASHEET —

Host: Rabbit

Isotype: IgG

Clonality: Polyclonal

GeneID: 3916

SWISS: P11279

Target: LAMP1

Immunogen: Recombinant human LAMP1 protein: 29-382/417.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Lysosome associated membrane protein (LAMP1), also known as Igp120 or IgpA, is a type 1 integral membrane protein that is transported from trans Golgi networks to endosomes and then lysosomes. Upon cell activation, LAMP1 transfer to the plasma membrane is dependent on a carboxyl terminal tyrosine based motif (YXXI). Perturbation in the spacing between the tyrosine based motif relative to the membrane abolishes lysosome localization of LAMP1. This mutant protein then cycles between the plasma membrane and the endosome. Cell surface LAMP1 and LAMP2 have been shown to promote adhesion of human peripheral blood mononuclear cells (PBMC) to vascular endothelium, therefore they are possibly involved in the adhesion of PBMCs to the site of inflammation.

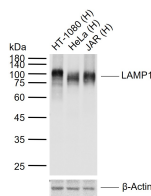
Applications: WB (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (2ug/Test)
ICC/IF (1:200)

Reactivity: Human

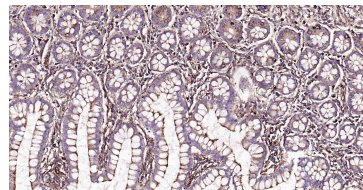
Predicted MW.: 45 kDa

Subcellular Location: Cell membrane ,Cytoplasm

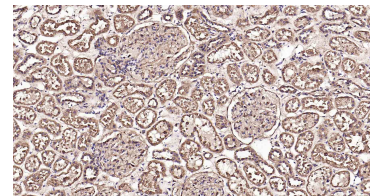
— VALIDATION IMAGES —



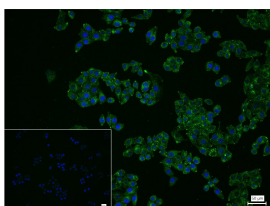
Sample: Lane 1: Human HT-1080 cell lysates
Lane 2: Human HeLa cell lysates Lane 3: Human JAR cell lysates
Primary: Anti-LAMP1 (bs-41335R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: kDa
Observed band size: 95 kDa



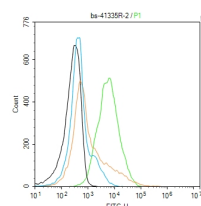
Paraformaldehyde-fixed, paraffin embedded Human Small Intestine; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with LAMP1 Polyclonal Antibody, Unconjugated (bs-41335R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with LAMP1 Polyclonal Antibody, Unconjugated (bs-41335R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



4% Paraformaldehyde-fixed MCF-7 (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (LAMP1) polyclonal Antibody, unconjugated (bs-41335R) 1:200, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG



Blank control: Jurkat. Primary Antibody (green line): Rabbit Anti-LAMP1 antibody (bs-41335R) Dilution: 2ug/Test; Secondary Antibody (white blue line): Goat anti-rabbit IgG-FITC Dilution: 0.5ug/Test. Isotype control (orange)

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

antibody (green, bs-0295G-FITC) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.

line) : Normal Rabbit IgG Protocol The cells were incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=7.5]** Yiqiang Yang. et al. Sanhuang decoction inhibits autophagy of periodontal ligament fibroblasts during orthodontic tooth movement by activating PI3K-Akt-mTOR pathway. BIOMED PHARMACOTHER. 2023 Oct;166:115391 IF,WB ;Rat. 37677964