

## Rabbit LAMP-1 Polyclonal Antibody | anti-LAMP-1 antibody

LAMP-1 Antibody

|                               |                       |                                        |                                                                  |
|-------------------------------|-----------------------|----------------------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA306797</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot, ELISA</b> |
|-------------------------------|-----------------------|----------------------------------------|------------------------------------------------------------------|

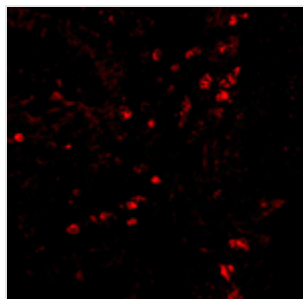
### PRODUCT SYNONYMS

LAMP-1; Polyclonal Antibody; LAMP-1 Antibody; Lysosome associated membrane protein 1; anti-LAMP-1 antibody

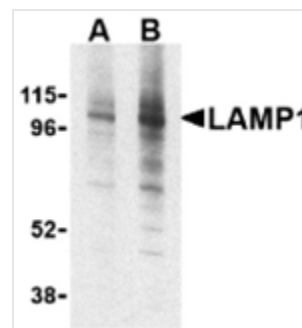
### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                        |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                                 |
| Reactivity                                       | Human, Mouse, Rat                                                                                                                                                                                      |
| Clonality                                        | Polyclonal                                                                                                                                                                                             |
| Purity/Purification                              | Affinity chromatography purified via peptide column                                                                                                                                                    |
| Form/Format                                      | Supplied in PBS containing 0.02% sodium azide.                                                                                                                                                         |
| Sequence Length                                  | 417                                                                                                                                                                                                    |
| Applicable Applications for anti-LAMP-1 antibody | IHC (Immunohistochemistry), WB (Western Blot), ELISA                                                                                                                                                   |
| Immunogen Type                                   | Peptide                                                                                                                                                                                                |
| Immunogen Description                            | Raised against a 15 amino acid peptide from near the center of human LAMP-1.                                                                                                                           |
| Target Name                                      | LAMP-1                                                                                                                                                                                                 |
| Preparation and Storage                          | Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |

### IMAGES


**IF (Immunofluorescence)**

Immunofluorescence of LAMP-1 in human colon tissue with LAMP-1 antibody at 20 ug/mL.


**WB (Western Blot)**

Western blot analysis of LAMP-1 in EL4 cell lysate with LAMP-1 antibody at (A) 1 and (B) 2 ug/mL.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-LAMP-1 antibody | Autophagy, the process of bulk degradation of cellular proteins through an autophagosomic-lysosomal pathway is important for normal growth control and may be defective in tumor cells. It is involved in the preservation of cellular nutrients under starvation conditions as well as the normal turnover of cytosolic components and is negatively regulated by TOR (Target of rapamycin). A protein recently found to be involved in autophagy, LAMP-2, is a highly glycosylated protein associated with the lysosome. LAMP-1 shares much homology to LAMP-2 and is thought to have overlapping functions. Mice lacking LAMP-1 had very minor defects compared to those deficient in LAMP-2 expression. However, the loss of both proteins resulted in embryonic lethality, suggesting that each protein possesses some unique and necessary functions. |
| Product Categories/Family for anti-LAMP-1 antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 112380628                                      |
| NCBI GeneID                      | 3916                                           |
| NCBI Accession #                 | NP_005552                                      |
| NCBI GenBank Nucleotide #        | NM_005561.3                                    |
| Molecular Weight                 | 38,986 Da                                      |
| NCBI Official Full Name          | lysosome-associated membrane glycoprotein 1    |
| NCBI Official Synonym Full Names | lysosomal-associated membrane protein 1        |
| NCBI Official Symbol             | LAMP1                                          |
| NCBI Official Synonym Symbols    | LAMPA; CD107a; LGP120                          |
| NCBI Protein Information         | lysosome-associated membrane glycoprotein 1    |
| UniProt Protein Name             | Lysosome-associated membrane glycoprotein 1    |
| UniProt Gene Name                | LAMP1                                          |
| UniProt Synonym Gene Names       | LAMP-1; Lysosome-associated membrane protein 1 |
| UniProt Entry Name               | LAMP1_HUMAN                                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/lamp-1-antibody-immunohistochemistry-western-blot-elisa/306797>