

## Rabbit anti-Human, mouse LAMP1 Polyclonal Antibody | anti-LAMP1 antibody

LAMP1 Antibody (N-term)

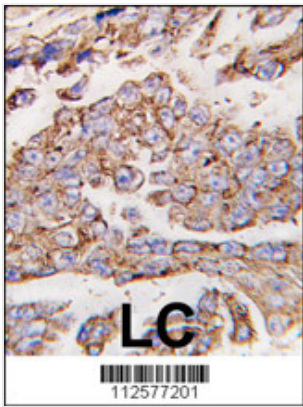
| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                              |
|-----------|--------|--------------|-------------------------------------------|
| AAA289204 | Rabbit | Human, mouse | Western Blot, Immunohistochemistry, ELISA |

### PRODUCT SYNONYMS

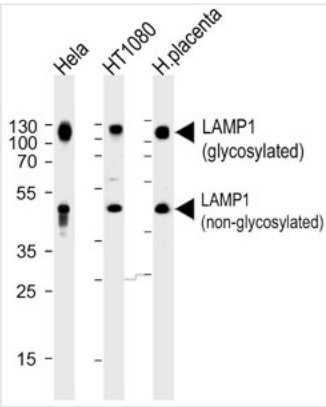
LAMP1; Polyclonal Antibody; LAMP1 Antibody (N-term); Lysosome-associated membrane glycoprotein 1; LAMP-1; Lysosome-associated membrane protein 1; CD107 antigen-like family member A; CD107a; anti-LAMP1 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Reactivity                                      | Human, mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Isotype                                         | Rabbit Ig                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Specificity                                     | This LAMP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 125-154 amino acids from the N-terminal region of human LAMP1.                                                                                                                                                                                                                                                                                                     |
| Purity/Purification                             | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Form/Format                                     | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.                                                                                                                                                                                                                                                                                               |
| Sequence Positions                              | 125-154                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Sequence Length                                 | 154                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Applicable Applications for anti-LAMP1 antibody | WB (Western Blot), IHC (Immunohistochemistry), ELISA                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Function                                        | Presents carbohydrate ligands to selectins. Also implicated in tumor cell metastasis.                                                                                                                                                                                                                                                                                                                                                                                      |
| Cellular Location                               | Cell membrane {ECO:0000250 UniProtKB:P05300}; Single-pass type I membrane protein. Endosome membrane; Single-pass type I membrane protein. Lysosome membrane; Single-pass type I membrane protein. Late endosome. Note=This protein shuttles between lysosomes, endosomes, and the plasma membrane (By similarity) Colocalizes with OSBPL1A at the late endosome (PubMed:16176980){ECO:0000250 UniProtKB:P05300, ECO:0000269 PubMed:16176980, ECO:0000269 PubMed:17897319} |
| Preparation and Storage                         | Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                      |



**IHC (Immunohiostchemistry)**  
Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with \*LAMP1 antibody (N-term) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



**WB (Western Blot)**  
Western blot analysis of lysates from HeLa,HT1080 cell line and human placenta tissue (from left to right),using LAMP1 Antibody (N-term). AAA289204 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysates at 35ug per lane.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-LAMP1 antibody | LAMP1 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Product Categories/Family for anti-LAMP1 antibody   | Crown Antibodies; Cancer; Neuroscience; Signal Transduction; GPCR Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| References                                          | References for protein:<br>1.Fukuda M., J. Biol. Chem. 263:18920-18928(1988).<br>2.Sawada R., J. Biol. Chem. 268:9014-9022(1993).<br>References for U251 cell line:<br>1. Westermarck B.; Pontén J.; Hugosson R. (1973). " Determinants for the establishment of permanent tissue culture lines from human gliomas". Acta Pathol Microbiol Scand A. 81:791-805. [PMID: 4359449].<br>2. Pontén, J.,Westermarck B. (1978). " Properties of Human Malignant Glioma Cells in Vitro". Medical Biology 56: 184-193.[PMID: 359950].<br>3. Geng Y.;Kohli L.; Klocke B.J.; Roth K.A.(2010). "Chloroquine-induced autophagic vacuole accumulation and cell death in glioma cells is p53 independent". Neuro Oncol. 12(5): 473-481.[ PMID: 20406898]. |

NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 112380628                                      |
| NCBI GeneID                      | 3916                                           |
| NCBI Accession #                 | NP_005552.3                                    |
| NCBI GenBank Nucleotide #        | NM_005561.3                                    |
| UniProt Accession #              | P11279; Q8WU33; Q96I40; Q9BRD2; Q9NP13; B4DWL3 |
| Molecular Weight                 | 44882                                          |
| 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          | <b>LAMP1</b>                                   |
| 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://www.aaabiotech.com/polyclonal/lamp1-antibody-western-blot-immunohistochemistry-elisa/289204>