

## Mouse Clathrin, Light Chain Monoclonal Antibody | anti-CLTA antibody

Clathrin, Light Chain

| CATALOG # | HOST  | REACTIVITY               | APPLICATIONS                                                                             |
|-----------|-------|--------------------------|------------------------------------------------------------------------------------------|
| AAA62934  | Mouse | Human. Others not known. | Immunohistochemistry, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay |

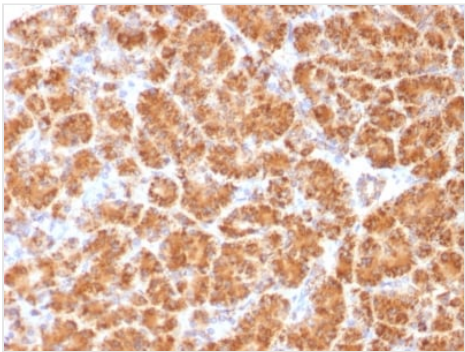
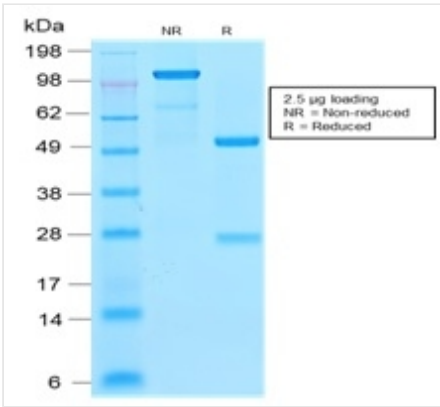
### PRODUCT SYNONYMS

Clathrin; Light Chain; Monoclonal Antibody; Clathrin light chain A; Clathrin light chain B; Clathrin light chain LCA; Clathrin light chain LCB; Clathrin light polypeptide A; Clathrin light polypeptide B; light polypeptide (Lca); light polypeptide (Lcb); CLTA; CLTB; anti-CLTA antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Reactivity                                     | Human. Others not known.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Clonality                                      | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Isotype                                        | IgG2b, kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Clone Number                                   | CLC/1421                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Specificity                                    | Recognizes proteins of 31-44kDa, which are identified as Clathrin Light Chains (both A & B). Clathrin is composed of three heavy chains and three light chains, which associate non-covalently to form a triskelion structure. Clathrin light chain regulates the self-assembly of triskelions onto intracellular membranes. Clathrin light chain subunits (LCA and LCB) contribute to regulation of coated vesicle formation to sort proteins during receptor-mediated endocytosis and organelle biogenesis. LCA and LCB are encoded by two discrete genes. They share only 60% homology, and have certain features in common. Both LCA and LCB undergo alternative mRNA splicing, which results in the generation of tissue-specific isoforms. |
| Form/Format                                    | 200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Sequence Length                                | 236                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Applicable Applications for anti-CLTA antibody | IHC (Immunohistochemistry), WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Immunogen                                      | Purified recombinant N-terminal fragment of human Clathrin Light Chain                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Cellular Localization                          | Cytoplasmic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Hu-chromosome Location                         | 9p13.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Positive Control                               | HeLa cells. Placenta or Prostate Carcinoma.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Preparation and Storage                        | Antibody with azide - store at 2 to 8 degree C.<br>Antibody without azide - store at -20 to -80 degree C.<br>Antibody is stable for 24 months. Non-hazardous. No MSDS required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

IMAGES



**IHC (Immunohistochemistry)**  
Formalin-fixed, paraffin-embedded Human Pancreas stained with Clathrin, LC Monoclonal Antibody (CLC/1421).

**SDS-PAGE**  
SDS-PAGE Analysis Purified p21 Rabbit Recombinant Monoclonal Antibody (CIP1/2275R).

ADDITIONAL INFORMATION

|            |                                                                                                                                                                             |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| References | Jackson, A.P., et al. 1988. Structure of human clathrin light chains. Conservation of light chain polymorphism in three mammalian species. J. Biol. Chem. 263: 16688-16695. |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 115527060                                      |
| NCBI GeneID                      | 1211                                           |
| NCBI Accession #                 | NP_001070145.1                                 |
| NCBI GenBank Nucleotide #        | NM_001076677.2                                 |
| UniProt Accession #              | P09496; Q2XPN5; Q53XZ1; A8K4W3; B4DIN1; F5H6N3 |
| Molecular Weight                 | 31-44kDa                                       |
| NCBI Official Full Name          | clathrin light chain A isoform c               |
| NCBI Official Synonym Full Names | clathrin light chain A                         |
| NCBI Official Symbol             | CLTA                                           |
| NCBI Official Synonym Symbols    | LCA                                            |
| NCBI Protein Information         | clathrin light chain A                         |
| UniProt Protein Name             | Clathrin light chain A                         |
| UniProt Gene Name                | CLTA                                           |
| UniProt Synonym Gene Names       | Lca                                            |

**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/monoclonal/clathrin-light-chain-antibody-clone-clc-1421-immunohistochemistry-western-blot-immunofluorescence-flow-cytometry-elisa/62934>