

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

Clathrin, Light Chain

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62935	Mouse	Human. Others not known.	Immunohistochemistry, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay

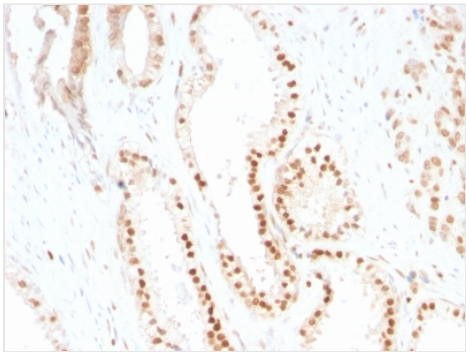
PRODUCT SYNONYMS

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

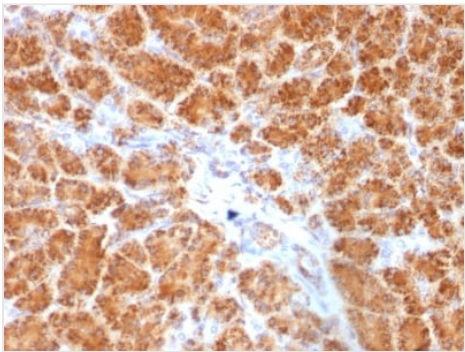
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG2b, kappa
Clone Number	SPM174
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. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with p27 Monoclonal Antibody (SX53G8)



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded Human Pancreas stained with Clathrin, LC Monoclonal Antibody (SPM174).

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.
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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-spm174-immunohistochemistry-western-blot-immunofluorescence-flow-cytometry-elisa/62935>