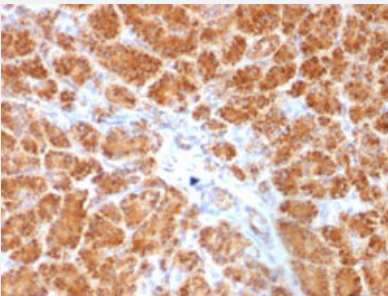


CLTA/CLTB monoclonal antibody, clone SPM174

Catalog # MAB14482 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human pancreas with CLTA/CLTB monoclonal antibody, clone SPM174 (Cat # MAB14482).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human CLTA/CLTB.
Immunogen	Recombinant protein corresponding to N-terminus of human CLTA/CLTB.
Host	Mouse
Theoretical MW (kDa)	31-44
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG2b, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/10 ⁶ cells) Immunofluorescence (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL) Western Blotting (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA, 0.05% sodium azide).

Storage Instruction

Store at 4°C.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human pancreas with CLTA/CLTB monoclonal antibody, clone SPM174 (Cat # MAB14482).
- Immunofluorescence
- Flow Cytometry

Gene Info — CLTA

Entrez GeneID[1211](#)**Protein Accession#**[P09496;P09497](#)**Gene Name**

CLTA

Gene Alias

LCA

Gene Description

clathrin, light chain (Lca)

Omim ID[118960](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Clathrin is a large, soluble protein composed of heavy and light chains. It functions as the main structural component of the lattice-type cytoplasmic face of coated pits and vesicles which entrap specific macromolecules during receptor-mediated endocytosis. This gene encodes one of two clathrin light chain proteins which are believed to function as regulatory elements. Alternative splicing results in multiple transcript variants. [provided by RefSeq]

Other Designations

OTTHUMP00000021365|OTTHUMP00000021366|clathrin, light polypeptide (Lca)|clathrin, light polypeptide A

Gene Info — CLTB

Entrez GeneID [1212](#)

Protein Accession# [P09496;P09497](#)

Gene Name CLTB

Gene Alias LCB

Gene Description clathrin, light chain (Lcb)

Omim ID [118970](#)

Gene Ontology [Hyperlink](#)

Gene Summary Clathrin is a large, soluble protein composed of heavy and light chains. It functions as the main structural component of the lattice-type cytoplasmic face of coated pits and vesicles which entrap specific macromolecules during receptor-mediated endocytosis. This gene encodes one of two clathrin light chain proteins which are believed to function as regulatory elements. Alternative splicing results in multiple transcript variants. [provided by RefSeq]

Other Designations clathrin, light polypeptide|clathrin, light polypeptide (Lcb)

Publication Reference

- [Structure of human clathrin light chains. Conservation of light chain polymorphism in three mammalian species.](#)

Jackson AP, Parham P.

The Journal of Biological Chemistry 1988 Nov; 263(32):16688.

Pathway

- [Endocytosis](#)
- [Endocytosis](#)
- [Lysosome](#)
- [Lysosome](#)

Disease

- [Cardiovascular Diseases](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Edema](#)