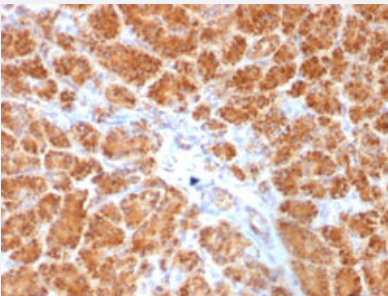


CLTA/CLTB monoclonal antibody, clone SPM174

Catalog # MAB14738

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 # MAB14738).

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.

Storage Instruction

Store at -20 to -80°C.
Aliquot to avoid repeated freezing and thawing.

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 # MAB14738).

- 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](#)