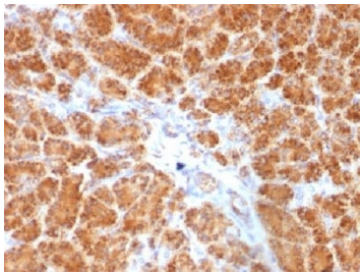
Clathrin Light Chain Antibody [clone SPM174] (V3300)

Catalog No.	Formulation	Size
V3300-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3300-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3300SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	SPM174
Purity	Protein G affinity chromatography
UniProt	P09496, P09497
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This Clathrin Light Chain antibody is available for research use only.



IHC testing of FFPE human pancreas with Clathrin Light Chain antibody (clone SPM174). Required HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min.

Description

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.

Application Notes

Optimal dilution of the Clathrin Light Chain antibody should be determined by the researcher.

Immunogen

A recombinant N-terminal protein fragment from human Clathrin light chain was used as the immunogen for the Clathrin Light Chain antibody.

Storage

Store the Clathrin Light Chain antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).