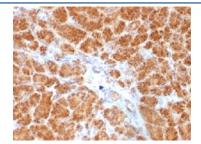


# Clathrin Light Chain Antibody [clone SPM174] (V3300)

| 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   |
| 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).