

For Research Use Only

SPTLC1 Monoclonal antibody, PBS Only



Catalog Number: 66899-1-PBS

Featured Product

Basic Information

Catalog Number:

66899-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG7876

GenBank Accession Number:

BC007085

GeneID (NCBI):

10558

UNIPROT ID:

O15269

Full Name:

serine palmitoyltransferase, long chain base subunit 1

Calculated MW:

53 kDa

Observed MW:

55 kDa

Purification Method:

Protein G purification

CloneNo.:

2D11D7

Applications

Tested Applications:

WB, Indirect ELISA, IHC

Species Specificity:

Human, mouse, rat

Background Information

SPTLC1 is a subunit of serine palmitoyltransferase (SPT) which is the key enzyme in sphingolipid biosynthesis and is essential for embryogenesis and cell survival. Mutations in the SPTLC1 gene (C133W, C133Y, V144D, and G387A) were reported to be responsible for the development of an inherited sensory neuropathy (hereditary sensory neuropathy type I, HSN1).

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

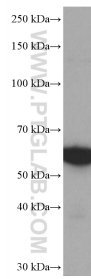
T: 4006900926

E: Proteintech-CN@ptglab.com

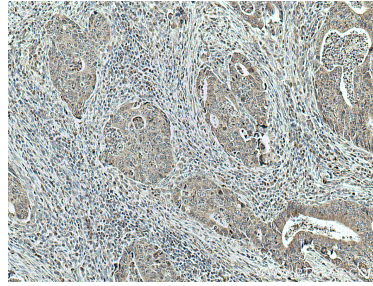
W: ptgcn.com

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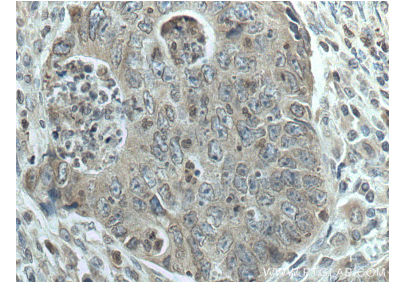
Selected Validation Data



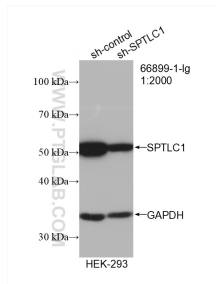
HEK-293 cells were subjected to SDS PAGE followed by western blot with 66899-1-Ig (SPTLC1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66899-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 66899-1-Ig (SPTLC1 antibody) at dilution of 1:500 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66899-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 66899-1-Ig (SPTLC1 antibody) at dilution of 1:500 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66899-1-PBS in a different storage buffer formulation.



WB result of SPTLC1 antibody (66899-1-Ig; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SPTLC1 transfected HEK-293 cells. This data was developed using the same antibody clone with 66899-1-PBS in a different storage buffer formulation.