

SPTLC1

Reactivity: Human Mouse

Tested applications: WB IHC

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200

Calculated MW: 52kDa

Observed MW: Refer to figures

Immunogen:

Recombinant protein of human SPTLC1

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

HSN1; LBC1; LCB1; SPT1; SPTI; HSAN1;

Catalog #: A6750

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 10558

Isotype: IgG

Swiss Prot: O15269

Purity: Affinity purification

For research use only.

Background:

This gene encodes a member of the class-II pyridoxal-phosphate-dependent aminotransferase family. The encoded protein is the long chain base subunit 1 of serine palmitoyltransferase. Serine palmitoyltransferase converts L-serine and palmitoyl-CoA to 3-oxosphinganine with pyridoxal 5'-phosphate and is the key enzyme in sphingolipid biosynthesis. Mutations in this gene were identified in patients with hereditary sensory neuropathy type 1. Alternatively spliced variants encoding different isoforms have been identified. Pseudogenes of this gene have been defined on chromosomes 1, 6, 10, and 13.

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