

## 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;

**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.

**To place an order, please [Click HERE](#).**

**Catalog #:**A6750

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**10558

**Isotype:**IgG

**Swiss Prot:**O15269

**Purity:**Affinity purification

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