

Product datasheet for TA339045

SPTLC1 Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Recommended Dilution: WB

Reactivity: Human

Host: Rabbit

Isotype: IgG

Clonality: Polyclonal

Immunogen: The immunogen for anti-SPTLC1 antibody: synthetic peptide directed towards the middle

region of human SPTLC1. Synthetic peptide located within the following region:

DLERLLKEQEIEDQKNPRKARVTRRFIVVEGLYMNTGTICPLPELVKLKY

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Concentration: lot specific

Purification: Protein A purified

Conjugation: Unconjugated

Storage: Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Predicted Protein Size: 53 kDa

Gene Name: serine palmitoyltransferase long chain base subunit 1

Database Link: NP 006406

Entrez Gene 10558 Human

O15269



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SPTLC1 Rabbit Polyclonal Antibody - TA339045

[provided by RefSeq, Jul 2013]

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.

Synonyms: HSAN1; HSN1; LBC1; LCB1; SPT1; SPTI

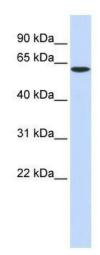
Note: Immunogen Sequence Homology: Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse:

100%; Bovine: 100%; Rabbit: 100%; Zebrafish: 100%; Guinea pig: 100%; Dog: 93%

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Metabolic pathways, Sphingolipid metabolism

Product images:



WB Suggested Anti-SPTLC1 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 62500; Positive

Control: Human brain