

DNAxPAb

Hard-to-Find
Antibody

SPTLC1 DNAxPab

Catalog # H00010558-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human SPTLC1 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MATATEQWVLVEMVQALYEAPAYHLILEGILILWIIRLLFSKTYKLQERSDLTVKEKEELIEEWQPEP LVPPVPKDHDPALNYNIVSGPPSHKTVVNGKECINFASFNFLGLLDNPRVKAAALASLKKYGVGTC GPRGFYGTFE
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — SPTLC1

Entrez GeneID [10558](#)

GeneBank Accession# [NM_178324.1](#)

Protein Accession# [NP_847894.1](#)

Gene Name SPTLC1

Gene Alias HSAN, HSAN1, HSN1, LBC1, LCB1, MGC14645, SPT1, SPTI

Gene Description serine palmitoyltransferase, long chain base subunit 1

Omim ID [162400 605712](#)

Gene Ontology [Hyperlink](#)

Gene Summary Serine palmitoyltransferase, which consists of two different subunits, is the key enzyme in sphingo lipid biosynthesis. It converts L-serine and palmitoyl-CoA to 3-oxosphinganine with pyridoxal 5'-phosphate as a cofactor. The product of this gene is the long chain base subunit 1 of serine palmitoyltransferase. Mutations in this gene were identified in patients with hereditary sensory neuropathy type 1. Alternatively spliced variants encoding different isoforms have been identified. [provided by RefSeq]

Other Designations OTTHUMP00000022810|OTTHUMP00000022811|long chain base biosynthesis protein 1|serine C-palmitoyltransferase|serine palmitoyltransferase subunit 1|serine-palmitoyl-CoA transferase 1

Pathway

- [Metabolic pathways](#)
- [Sphingolipid metabolism](#)

Disease

- [Cleft Lip](#)
- [Cleft Palate](#)
- [Hereditary Sensory and Autonomic Neuropathies](#)