

DNAXPAb

Hard-to-Find  
Antibody

# SPTLC2 DNAXPab

Catalog # H00009517-W01P      Size 200 ug

## Specification

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Rabbit polyclonal antibody raised against a full-length human SPTLC2 DNA using DNAX™ Immune technology.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Technology</b>              | <a href="#">DNAX™ Immune</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Immunogen</b>               | Full-length human DNA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Sequence</b>                | MRPEPGGCCCRRTVRANGCVANGEVRNGYVRSSAAAAAAAAAAGQIHVHTQNGGLYKRPFNEAF<br>EETPMLVAVLTYVGYGLTLFGYLRDFLRYWRIEKCHHATEREEQKDFVSLYQDFENFYTRNLYMR<br>IRDNWNRPICSVPGARVDIMERQSHDYNWSFKYTGNIKGVINMGSYNYLGFARNTGSCQEAAAKV<br>LEEYGAGVCSTRQEIGNLDKHEELEELVARFLGVEAAMAYGMGFATNSMNIPALVGKGCLILSDE<br>LNHASLVLGARLSGATIRIFKHNNMQSLEKLLKDAVYGQPRTRRPWKKILILVEGIYSMEGSIVRLPE<br>VIALKKKYKAYLYLDEAHSIGALGPTGRGVVEYFGLDPEDVDVMMGTFTKSFGASGGYIGGKKELI<br>DYLRTSHSAVYATSLSPVVEQIITSMKCIMGQDGTSLGKECVQQLAENTRYFRRRLKEMGFIYG<br>NEDSPVPLMLYMPAKIGAFGREMLKRNIGVVVVGFATPIIESRARFCLSAHTKEILDALKEIDE<br>VGDLLQLKYSRHRLVPLDRPFDETTYEETD |
| <b>Host</b>                    | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Reactivity</b>              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Purification</b>            | Protein A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Quality Control Testing</b> | Antibody reactive against mammalian transfected lysate.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Storage Buffer</b>          | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Storage Instruction</b>     | 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 — SPTLC2

Entrez GeneID [9517](#)

GeneBank Accession# [NM\\_004863.2](#)

Protein Accession# [NP\\_004854.1](#)

Gene Name SPTLC2

Gene Alias KIAA0526, LCB2, SPT2

Gene Description serine palmitoyltransferase, long chain base subunit 2

Omim ID [605713](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene encodes a long chain base subunit of serine palmitoyltransferase. Serine palmitoyltransferase, which consists of two different subunits, is the key enzyme in sphingolipid biosynthesis. It catalyzes the pyridoxal-5-prime-phosphate-dependent condensation of L-serine and palmitoyl-Co A to 3-oxosphinganine. Mutations in this gene were identified in patients with hereditary sensory neuropathy type I. Alternatively spliced variants encoding different isoforms have been identified. [provided by RefSeq]

**Other Designations** serine palmitoyltransferase, subunit II

## Pathway

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