

Datasheet

SPTLC2 polyclonal antibody

Catalog Number: PAB4377

Regulation Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic peptide of SPTLC2.

Immunogen: A synthetic peptide (conjugated with KLH) corresponding to amino acids 532-562 of human SPTLC2.

Host: Rabbit

Reactivity: Human, Mouse

Applications: ELISA, WB-Ti
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Form: Liquid

Purification: Protein G purification

Recommend Usage: ELISA (1:1000)
Western Blot (1:100-500)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.09% sodium azide)

Storage Instruction: Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 9517

Gene Symbol: SPTLC2

Gene Alias: KIAA0526, LCB2, SPT2

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-CoA 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]

References:

1. Permeability barrier disruption increases the level of serine palmitoyltransferase in human epidermis. Stachowitz S, Alessandrini F, Abeck D, Ring J, Behrendt H. J Invest Dermatol. 2002 Nov;119(5):1048-52.
2. Shotgun sequencing of the human transcriptome with ORF expressed sequence tags. Dias Neto E, Correa RG, Verjovski-Almeida S, Briones MR, Nagai MA, da Silva W Jr, Zago MA, Bordin S, Costa FF, Goldman GH, Carvalho AF, Matsukuma A, Baia GS, Simpson DH, Brunstein A, de Oliveira PS, Bucher P, Jongeneel CV, O'Hare MJ, Soares F, Brentani RR, Reis LF, de Souza SJ, Simpson AJ. Proc Natl Acad Sci U S A. 2000 Mar 28;97(7):3491-6.
3. Human and murine serine-palmitoyl-CoA transferase--cloning, expression and characterization of the key enzyme in sphingolipid synthesis. Weiss B, Stoffel W. Eur J Biochem. 1997 Oct 1;249(1):239-47.