SPTLC1 polyclonal antibody

Catalog # PAB30437 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffinembedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human breast with SPTLC1 polyclonal antibody (Cat # PAB30437) shows moderate cytoplasmic positivity in glandular cells at 1:50-1:200 dilution.

Specification	
Product Description	Rabbit polyclonal antibody raised against partial recombinant human SPTLC1.
Immunogen	Recombinant protein corresponding to human SPTLC1.
Sequence	KTYKLQERSDLTVKEKEELIEEWQPEPLVPPVPKDHPALNYNIVSGPPSHKTVVNGKECINFASFN FLGLLDNPRVKAAALASLKKYGVGTCGPR
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
lsotype	lgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).

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Product Information

Storage Instruction

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

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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Gene Info — SPTLC1	
Entrez GenelD	10558
Protein Accession#	<u>O15269</u>
Gene Name	SPTLC1
Gene Alias	HSAN, HSAN1, HSN1, LBC1, LCB1, MGC14645, SPT1, SPTI
Gene Description	serine palmitoyltransferase, long chain base subunit 1
Omim ID	<u>162400 605712</u>
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'-ph osphate as a cofactor. The product of this gene is the long chain base subunit 1 of serine palmitoy ltransferase. Mutations in this gene were identified in patients with hereditary sensory neuropathy t ype 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
- <u>Sphingolipid metabolism</u>



Disease

- Cleft Lip
- Cleft Palate
- Hereditary Sensory and Autonomic Neuropathies