

## SPTLC1 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP08521
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	Synthesized peptide derived from SPTLC1 . at AA range: 411-460
<b>Mol wt</b>	52030
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	SPTLC1 Antibody
<b>Synonyms</b>	SPTLC1; LCB1; Serine palmitoyltransferase 1; Long chain base biosynthesis protein 1; LCB 1; Serine-palmitoyl-CoA transferase 1; SPT 1; SPT1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

SPTLC1 encodes a member of the class-II pyridoxal-phosphate-dependent aminotransferase family. The serine palmitoyltransferase long chain base subunit 1 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.

### Recommended Dilution

WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 300

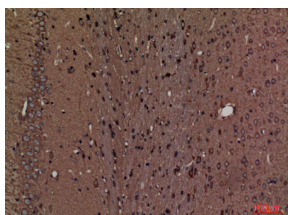
ELISA: 1: 20000

Not yet tested in other applications.

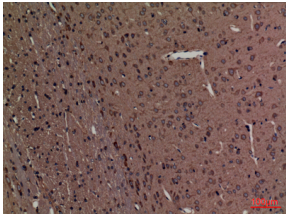
### Images



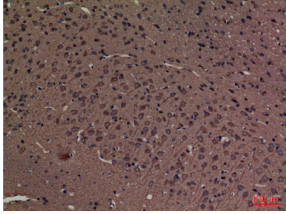
Western blot analysis of 293T SH-SY5Y lysis using SPTLC1 antibody. Antibody was diluted at 1:500. Secondary antibody was diluted at 1:20000



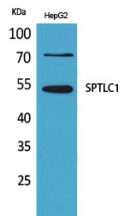
Immunohistochemical analysis of paraffin-embedded rat-brain, antibody was diluted at 1:100



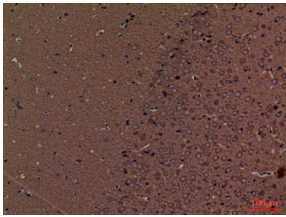
Immunohistochemical analysis of paraffin-embedded rat-brain, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded rat-brain, antibody was diluted at 1:100



Western Blot analysis of HepG2 cells using SPTLC1 Polyclonal Antibody. Antibody was diluted at 1:500. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded mouse-brain, antibody was diluted at 1:100

### Storage

-20°C for one year

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