

Datasheet for ABIN1881828
anti-SPTLC2 antibody (AA 372-401)[Go to Product page](#)

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Overview

Quantity:	400 µL
Target:	SPTLC2
Binding Specificity:	AA 372-401
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SPTLC2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This SPTLC2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 372-401 amino acids from the Central region of human SPTLC2.
Clone:	RB42738
Isotype:	Ig Fraction
Predicted Reactivity:	M, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	SPTLC2
Alternative Name:	SPTLC2 (SPTLC2 Products)

Target Details

Background:	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.
Molecular Weight:	62924
NCBI Accession:	NP_004854
UniProt:	O15270

Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

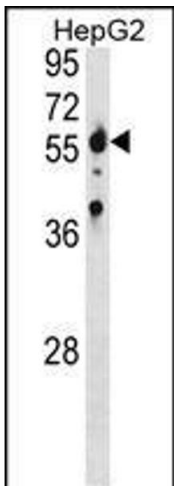
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

Publications

Product cited in:	Carrascal, Ovelheiro, Casas, Gay, Abian: "Phosphorylation analysis of primary human T lymphocytes using sequential IMAC and titanium oxide enrichment." in: Journal of proteome research , Vol. 7, Issue 12, pp. 5167-76, (2009) (PubMed).
	Koulich, Li, DeMartino: "Relative structural and functional roles of multiple deubiquitylating proteins associated with mammalian 26S proteasome." in: Molecular biology of the cell , Vol. 19, Issue 3, pp. 1072-82, (2008) (PubMed).

Reuter, Medhurst, Waisfisz, Zhi, Herterich, Hoehn, Gross, Joenje, Hoatlin, Mathew, Huber: "Yeast two-hybrid screens imply involvement of Fanconi anemia proteins in transcription regulation, cell signaling, oxidative metabolism, and cellular transport." in: **Experimental cell research**, Vol. 289, Issue 2, pp. 211-21, (2003) ([PubMed](#)).



Western Blotting

Image 1. SPTLC2 Antibody (Center) (ABIN1881828 and ABIN2839091) western blot analysis in HepG2 cell line lysates (35 µg/lane). This demonstrates the SPTLC2 antibody detected the SPTLC2 protein (arrow).