




Anti-SPTLC1 antibody ab176706

[6 References](#) [2 图像](#)

概述

产品名称	Anti-SPTLC1抗体
描述	兔多克隆抗体to SPTLC1
宿主	Rabbit
经测试应用	适用于: WB, IP
种属反应性	与反应: Mouse, Human 预测可用于: Rabbit, Horse, Chicken, Guinea pig, Cow, Pig, Chimpanzee, Cynomolgus monkey, Rhesus monkey 
免疫原	Synthetic peptide within Human SPTLC1 aa 50-100. The exact sequence is proprietary. NP_006406.1. Sequence: SDLTVKEKEELIEEWQPEPLVPPVPKDHDPALNYNIVSGPPSH KTVVNGKE C Database link: O15269 <div>  Run BLAST with  Run BLAST with </div>
阳性对照	HeLa, 293T, Jurkat and NIH3T3 whole cell lysates.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	pH: 6.8 Preservative: 0.09% Sodium azide

纯度	Constituents: 0.1% BSA, 99% Tris buffered saline
克隆	Immunogen affinity purified
同种型	多克隆
	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab176706于以下的经测试应用

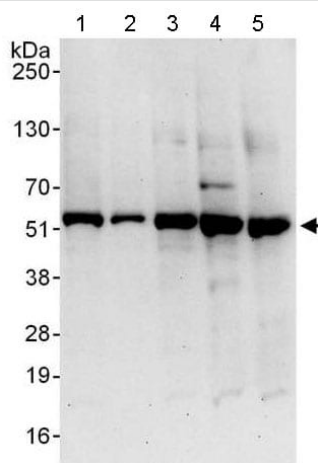
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/2000 - 1/10000. Predicted molecular weight: 53 kDa.
IP		Use at 2-10 µg/mg of lysate.

靶标

功能	Serine palmitoyltransferase (SPT). The heterodimer formed with LCB2 (SPTLC2 or SPTLC3) constitutes the catalytic core. The composition of the serine palmitoyltransferase (SPT) complex determines the substrate preference. The SPTLC1-SPTLC2-SSSPTA complex shows a strong preference for C16-CoA substrate, while the SPTLC1-SPTLC3-SSSPTA isozyme uses both C14-CoA and C16-CoA as substrates, with a slight preference for C14-CoA. The SPTLC1-SPTLC2-SSSPTB complex shows a strong preference for C18-CoA substrate, while the SPTLC1-SPTLC3-SSSPTB isozyme displays an ability to use a broader range of acyl-CoAs, without apparent preference.
组织特异性	Widely expressed. Not detected in small intestine.
通路	Lipid metabolism; sphingolipid metabolism.
疾病相关	Defects in SPTLC1 are the cause of hereditary sensory and autonomic neuropathy type 1A (HSAN1A) [MIM:162400]. The hereditary sensory and autonomic neuropathies are a genetically and clinically heterogeneous group of disorders characterized by degeneration of dorsal root and autonomic ganglion cells, and by sensory and/or autonomic abnormalities. HSAN1A is an autosomal dominant axonal neuropathy with onset in the second or third decades. Initial symptoms are loss of pain, touch, heat, and cold sensation over the feet, followed by distal muscle wasting and weakness. Loss of pain sensation leads to chronic skin ulcers and distal amputations.
序列相似性	Belongs to the class-II pyridoxal-phosphate-dependent aminotransferase family.
细胞定位	Endoplasmic reticulum membrane.

图片



Western blot - Anti-SPTLC1 antibody (ab176706)

All lanes : Anti-SPTLC1 antibody (ab176706) at 0.04 µg/ml

Lane 1 : HeLa whole cell lysate at 50 µg

Lane 2 : HeLa whole cell lysate at 15 µg

Lane 3 : 293T whole cell lysate at 50 µg

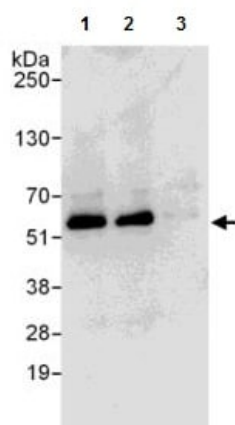
Lane 4 : Jurkat whole cell lysate at 50 µg

Lane 5 : NIH3T3 whole cell lysate at 50 µg

Developed using the ECL technique.

Predicted band size: 53 kDa

Exposure time: 30 seconds



Immunoprecipitation - Anti-SPTLC1 antibody
(ab176706)

ab176706 at 0.4 µg/ml detecting SPTLC1 in HeLa whole cell lysate by WB following IP.

Lane 1: ab176706 at 6 µg/mg of lysate

Lane 2: IP with an antibody which recognizes a downstream epitope of SPTLC1.

Lane 3: Control IgG.

In each case, 1 mg of lysate was used for IP and 20% of the IP was loaded.

Detection: Chemiluminescence with an exposure time of 10 seconds.

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