




Anti-SPTLC1 antibody ab176706

6 References [画像数 2](#)

製品の概要

製品名	Anti-SPTLC1 antibody
製品の詳細	Rabbit polyclonal to SPTLC1
由来種	Rabbit
アプリケーション	適用あり: WB, IP
種交差性	交差種: Mouse, Human 交差が予測される動物種: 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  Run BLAST with  Run BLAST with
ポジティブ・コントロール	HeLa, 293T, Jurkat and NIH3T3 whole cell lysates.
特記事項	<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>

製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	pH: 6.8 Preservative: 0.09% Sodium azide

	Constituents: 0.1% BSA, 99% Tris buffered saline
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

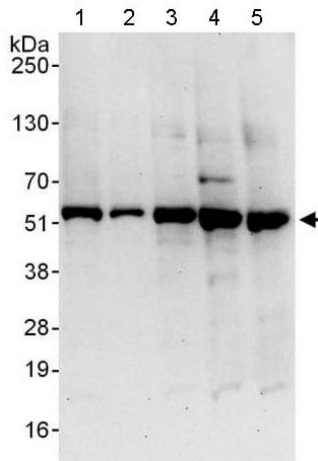
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アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/2000 - 1/10000. Predicted molecular weight: 53 kDa.
IP		Use at 2-10 µg/mg of lysate.

ターゲット情報

機能	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.
組織特異性	Widely expressed. Not detected in small intestine.
パスウェイ	Lipid metabolism; sphingolipid metabolism.
関連疾患	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.
配列類似性	Belongs to the class-II pyridoxal-phosphate-dependent aminotransferase family.
細胞内局在	Endoplasmic reticulum membrane.

画像



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

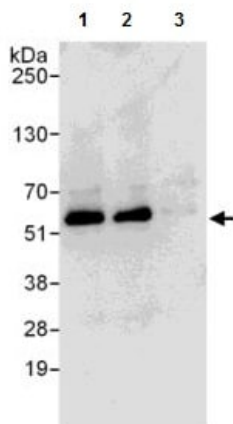
Lane 4 : Jurkat whole cell lysate at 50 µg

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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