

Rabbit anti-Human Serine palmitoyltransferase 1 Polyclonal Antibody | anti-SPTLC1 antibody

Rabbit anti-human Serine palmitoyltransferase 1 polyclonal Antibody(SPTLC1)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA118634	Rabbit	Human	Immunohistochemistry, Western Blot, ELISA

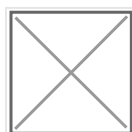
PRODUCT SYNONYMS

Serine palmitoyltransferase 1; Polyclonal Antibody; Rabbit anti-human Serine palmitoyltransferase 1 polyclonal Antibody(SPTLC1); Long chain base biosynthesis protein 1; LCB 1; Serine-palmitoyl-CoA transferase 1; SPT 1; SPTLC1; LCB1; anti-SPTLC1 antibody

PRODUCT SPECIFICATIONS

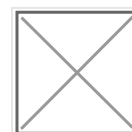
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Sequence Length	513
Applicable Applications for anti-SPTLC1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Conjugate	Non-conjugated
Immunogen	Recombinant human Serine palmitoyltransferase 1 protein(37-310aa)
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-27495 / sc-27497 / sc-32916
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



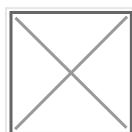
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human kidney using AAA118634 at dilution 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human colorectal carcinoma using AAA118634 at dilution 1:100



WB (Western Blot)

Western blotAll lanes: Serine palmitoyltransferase 1 antibody at 8ug/mL lane 1:293T whole cell lysate lane 2:MCF-7 whole cell lysate Secondary Goat polyclonal to rabbit at 1/10000 dilution Predicted band size: 53,17 kDa Observed band size: 53 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-SPTLC1 antibody	Serine palmitoyltransferase (SPT). The heterodimer formed with SPTLC2 or SPTLC3 constitutes the catalytic core. The composition of the serine palmitoyltransferase (SPT) complex determines the substrate preference. The SPTLC1-SPTLC2-SPTSSA complex shows a strong preference for C16-CoA substrate, while the SPTLC1-SPTLC3-SPTSSA isozyme uses both C14-CoA and C16-CoA as substrates, with a slight preference for C14-CoA. The SPTLC1-SPTLC2-SPTSSB complex shows a strong preference for C18-CoA substrate, while the SPTLC1-SPTLC3-SPTSSB isozyme displays an ability to use a broader range of acyl-CoAs, without apparent preference.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	526252798
NCBI GeneID	10558
NCBI Accession #	NP_001268232.1
NCBI GenBank Nucleotide #	NM_001281303.1
UniProt Accession #	O15269; Q5VWB4; Q96IX6; A8K681
Molecular Weight	16,073 Da
NCBI Official Full Name	serine palmitoyltransferase 1 isoform c
NCBI Official Synonym Full Names	serine palmitoyltransferase long chain base subunit 1
NCBI Official Symbol	SPTLC1
NCBI Official Synonym Symbols	HSN1; LBC1; LCB1; SPT1; SPTI; HSN1
NCBI Protein Information	serine palmitoyltransferase 1
UniProt Protein Name	Serine palmitoyltransferase 1
UniProt Gene Name	SPTLC1
UniProt Synonym Gene Names	LCB1; LCB 1; SPT 1; SPT1
UniProt Entry Name	SPTC1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.