

Rabbit anti-Human, Mouse Serine Palmitoyltransferase Polyclonal Antibody | anti-SPTLC1 antibody

Serine Palmitoyltransferase, Long Chain Base Subunit 1 (SPTLC1) Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA21006	Rabbit	Human, Mouse	Western Blot, Immunocytochemistry, Immunohistochemistry, ELISA

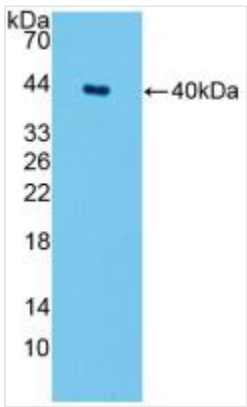
PRODUCT SYNONYMS

Serine Palmitoyltransferase; Polyclonal Antibody; Long Chain Base Subunit 1 (SPTLC1) Polyclonal Antibody; HSAN; HSAN1; HSN1; LBC1; LCB1; SPT1; SPTI; Hereditary Sensory Neuropathy; Type 1; Long chain base biosynthesis protein 1; Serine-palmitoyl-CoA transferase 1; anti-SPTLC1 antibody

PRODUCT SPECIFICATIONS

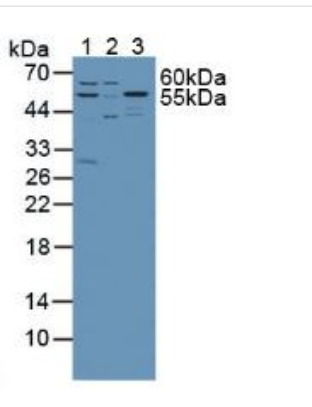
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	The antibody is a rabbit polyclonal antibody raised against SPTLC1. It has been selected for its ability to recognize SPTLC1 in immunohistochemical staining and western blotting.
Purity/Purification	Affinity Chromatography
Form/Format	Supplied as solution form in PBS, pH7.4 containing 0.02% NaN ₃ , 50% glycerol.
Concentration	0.5mg/ml (varies by lot)
Sequence Length	482
Applicable Applications for anti-SPTLC1 antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), ELISA
Application Notes	Western Blot: 1:50-400 Immunohistochemistry in formalin fixed frozen section: 1:50-500 Enzyme-linked Immunosorbent Assay: 1:100-200
Immunoglobulin Type	IgG
Conjugate	No Conjugate
Cross Reactivity	Human, Mouse
Organism Species	Mouse
Fragment	SPTLC1 (Asp143~Leu473)
Quality Control	Content: The quality control contains recombinant SPTLC1 (Asp143~Leu473) disposed in loading buffer. Usage: 10uL per well when 3,3'-Diaminobenzidine(DAB) as the substrate. 5uL per well when used in enhanced chemilumescence (ECL). Note: The quality control is specifically manufactured as the positive control. Not used for other purposes. Loading Buffer: 100mM Tris(pH8.8), 2% SDS, 200mM NaCl, 50% glycerol, BPB 0.01%, NaN ₃ 0.02%.
Preparation and Storage	Store at 4 degree C for frequent use. Stored at -20 degree C to -80 degree C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.

IMAGES



Knockout Validation

Knockout Validation: Lane 1: Wild-type Jurkat cell lysate; Lane 2: SPTLC1 knockout Jurkat cell lysate; Predicted MW: 53kd Observed MW: 55kd Primary Ab: 1ug/ml Rabbit Anti-Mouse SPTLC1 Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Mouse.



WB (Western Blot)

Western Blot: Sample: Lane1: Mouse Liver Tissue; Lane2: Mouse Lung Tissue; Lane3: Mouse Brain Tissue; Lane4: Human Jurkat Cells.

ADDITIONAL INFORMATION

Product Categories/Family for anti-SPTLC1 antibody	Knock-Out Validation Antibody
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NCBI AND UNIPROT INFORMATION

NCBI GI #	29244577
NCBI GeneID	268656
NCBI Accession #	NP_033295.2
NCBI GenBank Nucleotide #	NM_009269.2
UniProt Accession #	O35704; O54813; Q8BH11
Molecular Weight	52,535 Da
NCBI Official Full Name	serine palmitoyltransferase 1
NCBI Official Synonym Full Names	serine palmitoyltransferase, long chain base subunit 1
NCBI Official Symbol	Sptlc1
NCBI Official Synonym Symbols	Lcb1; C77762; AW552086; E030036H05
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

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.