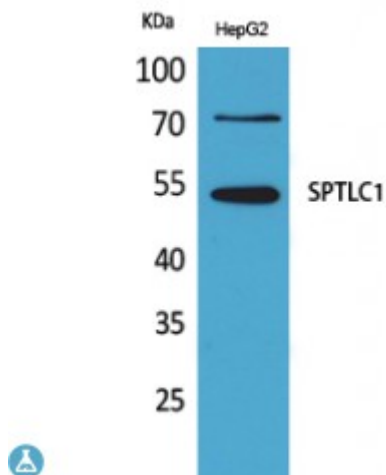


Anti-SPTLC1 antibody



Description	Rabbit polyclonal to SPTLC1.
Model	STJ96597
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human SPTLC1.
Immunogen Region	411-460 aa, C-terminal
Gene ID	10558
Gene Symbol	SPTLC1
Dilution range	WB 1:500-1:2000IHC-P 1:100-300ELISA 1:20000
Specificity	SPTLC1 Polyclonal Antibody detects endogenous levels of SPTLC1 protein.
Tissue Specificity	Widely expressed. Not detected in small intestine.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Serine palmitoyltransferase 1 Long chain base biosynthesis protein 1 LCB 1 Serine-palmitoyl-CoA transferase 1 SPT 1 SPT1
Molecular Weight	72/52 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:11277OMIM:162400
Alternative Names	Serine palmitoyltransferase 1 Long chain base biosynthesis protein 1 LCB 1 Serine-palmitoyl-CoA transferase 1 SPT 1 SPT1
Function	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.
Cellular Localization	Endoplasmic reticulum membrane
Post-translational Modifications	Phosphorylation at Tyr-164 inhibits activity and promotes cell survival.

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