

Rabbit anti-Human, Mouse SPTLC2 Polyclonal Antibody | anti-SPTLC2 antibody

SPTLC2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323055	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot

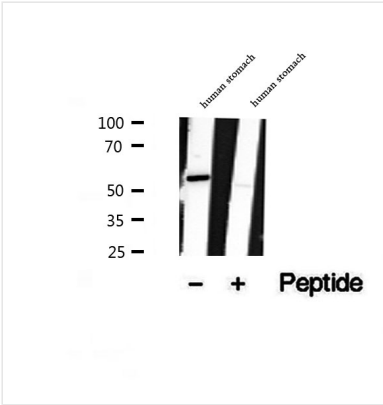
PRODUCT SYNONYMS

SPTLC2; Polyclonal Antibody; SPTLC2 Antibody; KIAA0526; LCB 2; LCB2; LCB2a; Long chain base biosynthesis protein 2; Long chain base biosynthesis protein 2a; Serine palmitoyl CoA transferase 2; Serine palmitoyltransferase 2; Serine palmitoyltransferase long chain base subunit 2; Serine palmitoyltransferase subunit II; Serine-palmitoyl-CoA transferase 2; SPT 2; SPT2; SPTC2_HUMAN; SPTLC 2; Sptlc2; anti-SPTLC2 antibody

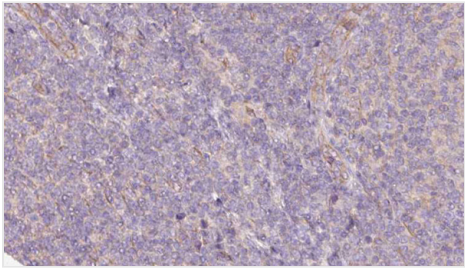
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	SPTLC2 antibody detects endogenous levels of SPTLC2.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	562
Applicable Applications for anti-SPTLC2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SPTLC2.
Subcellular Location	Endoplasmic Reticulum Membrane.
Tissue Specificity	Widely expressed.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (92%), Horse (100%), Sheep (92%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts of human stomach tissue, using SPTLC2 antibody.



IHC (Immunohistochemistry)
AAA323055 at 1/100 staining Human lymph cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-SPTLC2 antibody	Function: Serine palmitoyltransferase (SPT). The heterodimer formed with LCB1/SPTLC1 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-SPTLC2-SPTSSB complex displays a preference for C18-CoA substrate. Subunit Structure: Heterodimer with SPTLC1. Component of the serine palmitoyltransferase (SPT) complex, composed of LCB1/SPTLC1, LCB2 (SPTLC2 or SPTLC3) and ssPT (SPTSSA and SPTSSB). Similarity: Belongs to the class-II pyridoxal-phosphate-dependent aminotransferase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4758668
NCBI GeneID	9517
NCBI Accession #	NP_004854.1
NCBI GenBank Nucleotide #	NM_004863.3
UniProt Accession #	O15270; Q16685
Molecular Weight	Observed: 55-65 kDa Predicted: 63 kDa
NCBI Official Full Name	serine palmitoyltransferase 2
NCBI Official Synonym Full Names	serine palmitoyltransferase long chain base subunit 2
NCBI Official Symbol	SPTLC2
NCBI Official Synonym Symbols	LCB2; SPT2; HSN1C; LCB2A; NSAN1C; hLCB2a
NCBI Protein Information	serine palmitoyltransferase 2
UniProt Protein Name	Serine palmitoyltransferase 2
UniProt Gene Name	SPTLC2
UniProt Synonym Gene Names	KIAA0526; LCB2; LCB 2; LCB2a; SPT 2

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.