

Rabbit SPT2 Polyclonal Antibody | anti-SPTLC2 antibody

SPT2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39921	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

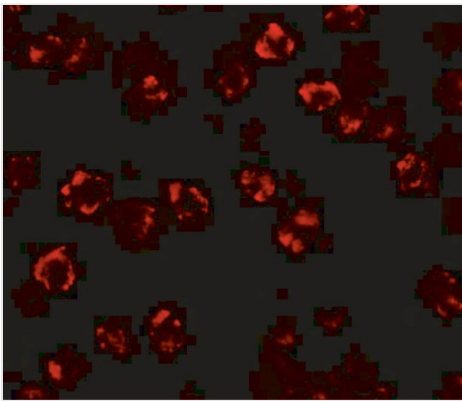
PRODUCT SYNONYMS

SPT2; Polyclonal Antibody; SPT2 Antibody; LCB2; HSN1C; LCB2A; NSAN1C; hLCB2a; KIAA0526; Serine palmitoyltransferase 2; Long chain base biosynthesis protein 2; LCB 2; serine palmitoyltransferase; long chain base subunit 2; anti-SPTLC2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	At least three isoforms of SPT2 are known to exist; this antibody will not detect isoform b. SPT2 antibody is predicted to not cross-react with SPT1.
Purity/Purification	SPT2 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	562
Applicable Applications for anti-SPTLC2 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	SPT2 antibody was raised against a 15 amino acid synthetic peptide near the carboxy terminus of human SPT2.
Buffer	SPT2 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	SPT2 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

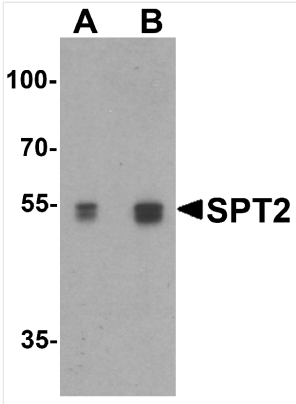
IMAGES



IF (Immunofluorescence)
Immunofluorescence of SPT2 in 3T3 cells with SPT2 antibody at 20 µg/mL.



ICC (Immunocytochemistry)
Immunocytochemistry of SPT2 in 3T3 cells with SPT2 antibody at 10 µg/mL.



WB (Western Blot)
Western blot analysis of SPT2 in 3T3 cell lysate with SPT2 antibody at 0.5 µg/mL in (A) the absence and (B) the presence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-SPTLC2 antibody	SPT2 Antibody: Serine palmitoyltransferase (SPT), which consists of two different subunits, is the key enzyme in sphingolipid biosynthesis. It converts L-serine and palmitoyl-CoA to 3-oxosphinganine with pyridoxal 5'-phosphate as a cofactor. SPT2 is the long chain base subunit 2 of mammalian serine palmitoyltransferase. SPT2 is catalytically active but needs its related protein SPT1 for its stabilization and anchoring the holoenzyme to the cytosolic face of the endoplasmic reticulum. As in the case with SPT1, mutations in the SPT2 gene can cause hereditary sensory and autonomic neuropathy type I (HSAN-I), resulting from a loss of SPT activity as well as the accumulation of the atypical and neurotoxic sphingoid metabolite 1-deoxy-sphinganine.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4758668
NCBI GeneID	9517
NCBI Accession #	NP_4854
NCBI GenBank Nucleotide #	NM_004863.3
UniProt Accession #	O15270; Q16685
Molecular Weight	62,924 Da
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; LCB 2; SPT 2; serine-palmitoyl-CoA transferase 2; long chain base biosynthesis protein 2a; serine palmitoyltransferase, subunit II
UniProt Protein Name	Serine palmitoyltransferase 2
UniProt Gene Name	SPTLC2
UniProt Synonym Gene Names	KIAA0526; LCB2; LCB 2; LCB2a; SPT 2
UniProt Entry Name	SPTC2_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/spt2-antibody-immunofluorescence-immunocytochemistry-western-blot-elisa/39921>