



SPTC3 rabbit pAb

Catalog No	YP-Ab-08960
Isotype	IgG
Reactivity	Human; Mouse
Applications	WB
Gene Name	SPTLC3 C20orf38 SPTLC2L
Immunogen	Synthesized peptide derived from human SPTC3 AA range: 341-391
Specificity	This antibody detects endogenous levels of SPTC3 at Human/Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	SPTC3;SPTLC3 C20orf38 SPTLC2L
Observed Band	
Calculated Molecular Weight	61kD
Cell Pathway	Endoplasmic reticulum membrane ; Single-pass membrane protein .
Tissue Specificity	Expressed in most tissues, except peripheral blood cells and bone marrow, with highest levels in heart, kidney, liver, uterus and skin.
Function	catalytic activity:Palmitoyl-CoA + L-serine = CoA + 3-dehydro-D-sphinganine + CO(2).,cofactor:Pyridoxal phosphate.,pathway:Lipid metabolism; sphingolipid metabolism.,sequence caution:Contaminating sequence. Potential poly-A sequence.,similarity:Belongs to the class-II pyridoxal-phosphate-dependent aminotransferase family.,subunit:SPTLC1, SPTLC2 and SPTLC3 may encode subunits of the enzyme.,tissue specificity:Expressed in most tissues, except peripheral blood cells and bone marrow, with highest levels in heart, kidney, liver, uterus and skin.,
Background	The SPTLC3 gene encodes an isoform of the third subunit of serine palmitoyltransferase (SPT; EC 2.3.1.50), which catalyzes the rate-limiting step of the de novo synthesis of sphingolipids (Hornemann et al., 2006 [PubMed



17023427]). SPT contains 2 main subunits: the common SPTLC1 subunit (MIM 605712) and either SPTLC2 (MIM 605713) or its isoform SPTLC2L (SPTLC3), depending on the tissue in which biosynthesis occurs (Hornemann et al., 2006 [PubMed 17023427]). There are also 2 highly related isoforms of a third subunit, SSSPTA (MIM 613540) and SSSPTB (MIM 610412), that confer acyl-CoA preference of the SPT enzyme and are essential for maximal enzyme activity (Han et al., 2009 [PubMed 19416851]).[supplied by OMIM, Nov 2010],

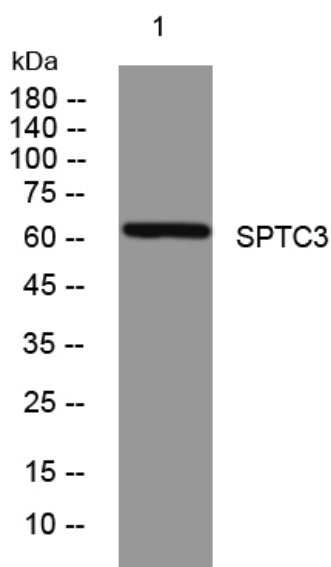
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from 293T cells, primary antibody was diluted at 1:1000, 4° over night