



SPTC3 rabbit pAb

Cat No.:ES12971

For research use only

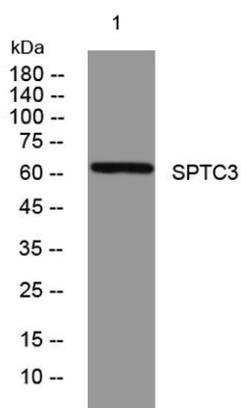
Overview

Product Name	SPTC3 rabbit pAb
Host species	Rabbit
Applications	WB
Species Cross-Reactivity	Human; Mouse
Recommended dilutions	WB 1: 500-2000
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.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	SPTC3
Gene Name	SPTLC3 C20orf38 SPTLC2L
Cellular localization	Endoplasmic reticulum membrane ; Single-pass membrane protein .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	55304
Human Swiss-Prot Number	Q9NUV7
Alternative Names	
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],



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

