



# SPTC3 mouse mAb

<b>Catalog No</b>	BYmab-08960
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human; Mouse
<b>Applications</b>	WB
<b>Gene Name</b>	SPTLC3 C20orf38 SPTLC2L
<b>Protein Name</b>	SPTC3
<b>Immunogen</b>	Synthesized peptide derived from human SPTC3 AA range: 341-391
<b>Specificity</b>	This antibody detects endogenous levels of SPTC3 at Human/Mouse
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	
<b>Cell Pathway</b>	Endoplasmic reticulum membrane ; Single-pass membrane protein .
<b>Tissue Specificity</b>	Expressed in most tissues, except peripheral blood cells and bone marrow, with highest levels in heart, kidney, liver, uterus and skin.
<b>Function</b>	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.,
<b>Background</b>	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

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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],

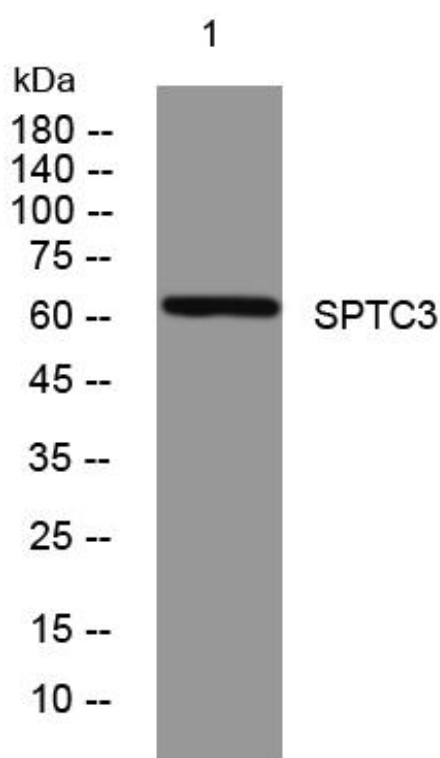
**matters needing attention**

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 various cells using SPTC3 mouse mAb