



SMS1 mouse mAb

Catalog No	YP-mAb-11435
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	SGMS1 MOB SMS1 TMEM23
Immunogen	Synthesized peptide derived from human SMS1 AA range: 156-206
Specificity	This antibody detects endogenous levels of SMS1 at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	EC:2.7.8.27;hmob33;Medulla oblongata-derived protein;MOB;MOB1;SMS1;SGMS1 MOB SMS1 TMEM23
Observed Band	46kD
Calculated Molecular Weight	46kD
Cell Pathway	Golgi apparatus membrane ; Multi-pass membrane protein .
Tissue Specificity	Brain, heart, kidney, liver, muscle and stomach.
Function	catalytic activity:A ceramide + a phosphatidylcholine = a sphingomyelin + a 1,2-diacyl-sn-glycerol.,enzyme regulation:Inhibited by bacterial PC-phospholipase C inhibitor D609.,function:Bidirectional lipid cholinephosphotransferase caMABLE of converting phosphatidylcholine (PC) and ceramide to sphingomyelin (SM) and diacylglycerol (DAG) and vice versa. Direction is dependent on the relative concentrations of DAG and ceramide as phosphocholine acceptors. Directly and specifically recognizes the choline head group on the substrate. Also requires two fatty chains on the choline-P donor molecule in order to be recognized efficiently as a substrate. Does not function strictly as a SM synthase. Suppresses BAX-mediated apoptosis and also prevents cell death in response to stimuli such as hydrogen peroxide, osmotic stress, elevated temperature and exogenously supplied sphingolipids. May protect a

**Background**

The protein encoded by this gene is predicted to be a five-pass transmembrane protein. This gene may be predominately expressed in brain. [provided by RefSeq, Jul 2008],

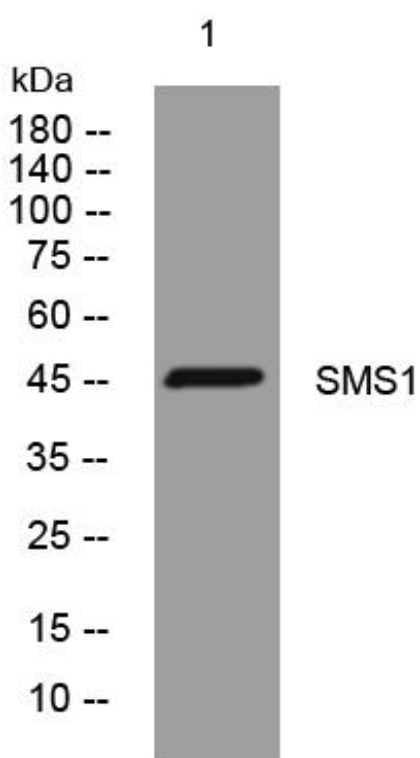
matters needing attention

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 SMS1 mouse mAb