



RAPSN mouse mAb

Catalog No	YP-mAb-11598
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	RAPSN RNF205
Immunogen	Synthesized peptide derived from human RAPSN AA range: 341-391
Specificity	This antibody detects endogenous levels of RAPSN at Human/Mouse
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	43 kDa postsynaptic protein;CMS1D;CMS1E;RAPSN;RAPsyn;RING finger protein 205;RNF205;RAPSN RNF205
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cell junction, synapse, postsynaptic cell membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasm, cytoskeleton. Cytoplasmic surface of postsynaptic membranes.
Tissue Specificity	
Function	disease:Defects in RAPSN are a cause of congenital myasthenic syndrome type 1d (CMS1D) [MIM:608931]; also called congenital myasthenic syndrome associated with acetylcholine receptor deficiency. Congenital myasthenic syndromes (CMS) are inherited disorders of neuromuscular transmission that stem from mutations in presynaptic, synaptic, or postsynaptic proteins. Postsynaptic disorders result from mutations in proteins forming the subunits of the muscle acetylcholine receptor (AChR). The kinetic abnormalities of AChR result in either prolonged ion channel activations that underlie "slow-channel myasthenic syndromes" (SCCMS) or abbreviated channel activations that



underlie the abnormally rapid decay of endplate currents in "fast-channel syndromes" (FCCMS). CMS1D is the third disorder associated with postsynaptic CMS which could result from mutations in the proteins forming the muscle AChR.

Background

This gene encodes a member of a family of proteins that are receptor associated proteins of the synapse. The encoded protein contains a conserved cAMP-dependent protein kinase phosphorylation site, and plays a critical role in clustering and anchoring nicotinic acetylcholine receptors at synaptic sites by linking the receptors to the underlying postsynaptic cytoskeleton, possibly by direct association with actin or spectrin. Mutations in this gene may play a role in postsynaptic congenital myasthenic syndromes. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Apr 2011],

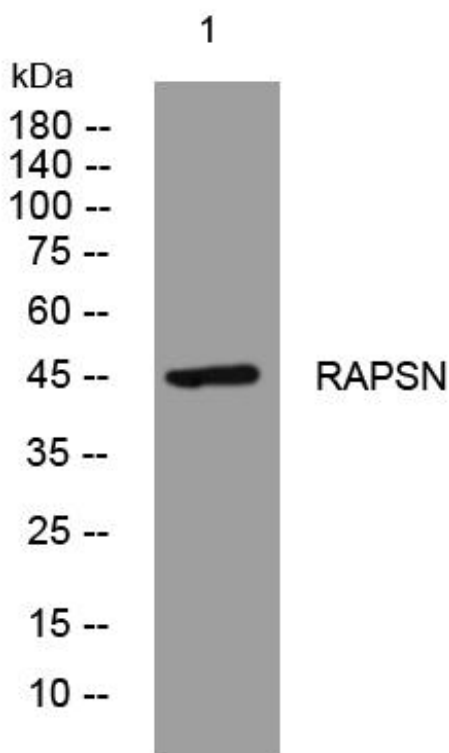
matters needing attention

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 RAPSN mouse mAb