



Anti-RAPSN (aa 313-412) polyclonal antibody (DPAB-DC2670)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	RAPSN (NP_005046, 313 a.a. ~ 412 a.a) partial recombinant protein with GST tag. The sequence is QDLAEEVGNKLSQLKLHCLSESIYRSKGLQRELRAHVVRFHECVEETELYCGLCGESIGE KNSRLQALPCSHIFHLRCLQNGTRSCPNCRRSSMKPGFV
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	RAPSN receptor-associated protein of the synapse [Homo sapiens (human)]
Official Symbol	RAPSN
Synonyms	RAPSN; receptor-associated protein of the synapse; RAPSYN; RNF205; 43 kDa receptor-associated protein of the synapse; RING finger protein 205; 43 kda postsynaptic protein; acetylcholine receptor-associated 43 kda protein;
Entrez Gene ID	5913
Protein Refseq	NP_005046
UniProt ID	Q13702
Chromosome Location	11p11.2
Function	acetylcholine receptor binding; ionotropic glutamate receptor binding; zinc ion binding;