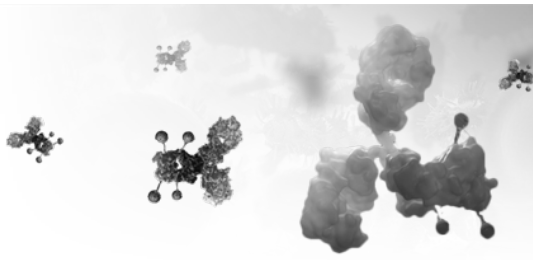

Mouse anti-Human CHRND monoclonal antibody, clone 3C3 (CABT-B9967)

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

PRODUCT INFORMATION

Immunogen	CHRND (NP_000742, 24 a.a. ~ 131 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	3C3
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	EEERLIRHLFQEKGYNKELRPVAHKEESVDVALALTLSNLISLKEVEETLTTNVWIEHGW TDNRLKWNAEEFGNISVLRLPPDMVWLPEIVLENNNDGSFQISYSCN*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	The acetylcholine receptor of muscle has 5 subunits of 4 different types: 2 alpha and 1 each of beta, gamma and delta subunits. After acetylcholine binding, the receptor undergoes an

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

	extensive conformation change that affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane. Defects in this gene are a cause of multiple pterygium syndrome lethal type (MUPSL), congenital myasthenic syndrome slow-channel type (SCCMS), and congenital myasthenic syndrome fast-channel type (FCCMS). Several transcript variants, some protein-coding and some not, have been found for this gene. [provided by RefSeq, Feb 2012]
Keywords	CHRND; cholinergic receptor, nicotinic, delta (muscle); ACHRD; CMS2A; FCCMS; SCCMS; acetylcholine receptor subunit delta; acetylcholine receptor, nicotinic, delta (muscle); cholinergic receptor, nicotinic, delta polypeptide;

GENE INFORMATION

Entrez Gene ID	1144
UniProt ID	Q07001
Pathway	Acetylcholine Binding And Downstream Events, organism-specific biosystem; Activation of Nicotinic Acetylcholine Receptors, organism-specific biosystem; Highly sodium permeable acetylcholine nicotinic receptors, organism-specific biosystem; Neuroactive ligand-receptor interaction, organism-specific biosystem; Neuroactive ligand-receptor interaction, conserved biosystem; Neuroransmitter Receptor Binding And Downstream Transmission In The Postsynaptic Cell, organism-specific biosystem
Function	acetylcholine binding; extracellular ligand-gated ion channel activity; ion channel activity; nicotinic acetylcholine-activated cation-selective channel activity; receptor activity

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221