Best Tools for immunology Research

COLQ Polyclonal Antibody

Catalog No :	YT6171
Reactivity :	Human;Mouse;Rat
Applications :	IHC;IF;WB
Target :	COLQ
Gene Name :	COLQ
Protein Name :	COLQ
Human Gene Id :	8292
Human Swiss Prot No :	Q9Y215
Immunogen :	Synthesized peptide derived from human COLQ
Specificity :	This antibody detects endogenous levels of human COLQ
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IHC 1:50-200, WB 1:500-2000. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	50kD
Background :	This gene encodes the subunit of a collagen-like molecule associated with acetylcholinesterase in skeletal muscle. Each molecule is composed of three identical subunits. Each subunit contains a proline-rich attachment domain

(PRAD) that binds an acetylcholinesterase tetramer to anchor the catalytic subunit of the enzyme to the basal lamina. Mutations in this gene are associated with endplate acetylcholinesterase deficiency. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008],

Function : disease:Defects in COLQ are the cause of congenital myasthenic syndrome Engel type (CMSE) [MIM:603034]; also known as end-plate acetylcholinesterase deficiency or congenital myasthenic syndrome type IC (CMS-IC). CMSE is a rare autosomal recessive congenital myastehnic syndrome characterized by onset during childhood, generalized weakness, abnormal fatigability on exertion, refrectoriness to acetylcholinesterase drugs, decremental electromyographic response and morphological abnormalities of the neuromuscular junctions.,domain:The proline-rich attachment domain (PRAD) binds the AChE catalytic subunits.,function:Anchors the catalytic subunits of asymmetric AChE to the synaptic basal lamina.,PTM:The triple-helical tail is stabilized by disulfide bonds at each end.,similarity:Belongs to the COLQ family.,similarity:Contains 2 collagen-like domains.,subunit:Homotrimer. Component of the asymmet

Subcellular Location : Cell junction, synapse.

Expression : Found at the end plate of skeletal muscle.

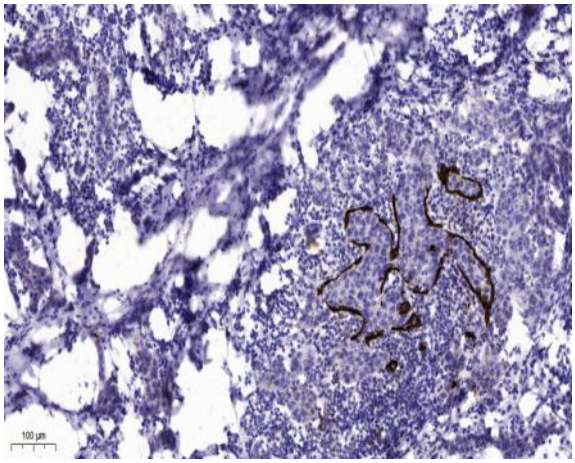
Sort : 4409

No4 : 1

Host : Rabbit

Modifications : Unmodified

Products Images



Immunohistochemical analysis of paraffin-embedded human Breast cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).