

Rabbit COLQ Polyclonal Antibody | anti-COLQ antibody

COLQ Antibody (C-term)

CATALOG # AAA286181	HOST Rabbit	REACTIVITY Human, mouse (Predicted Reactivity: Rat)	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

COLQ; Polyclonal Antibody; COLQ Antibody (C-term); Acetylcholinesterase collagenic tail peptide; AChE Q subunit; Acetylcholinesterase-associated collagen; anti-COLQ antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Rat)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This COLQ antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 324-353 amino acids from the C-terminal region of human COLQ.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	324-353
Sequence Length	329
Applicable Applications for anti-COLQ antibody	ELISA, WB (Western Blot)
Function	Anchors the catalytic subunits of asymmetric AChE to the synaptic basal lamina.
Cellular Location	Synapse.
Tissue Location	Found at the end plate of skeletal muscle.
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

COLQ Antibody (C-term) (AAA286181) western blot analysis in mouse stomach tissue lysates (35ug/lane). This demonstrates the COLQ antibody detected the COLQ protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-COLQ antibody	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.
Product Categories/Family for anti-COLQ antibody	Signal Transduction
References	Mihaylova, V., et al. Brain 131 (PT 3), 747-759 (2008) : Schreiner, F., et al. Neuromuscul. Disord. 17(3):262-265(2007) Ting, A.K., et al. Chem. Biol. Interact. 157-158, 63-70 (2005) : Dvir, H., et al. EMBO J. 23(22):4394-4405(2004) Ishigaki, K., et al. Neuromuscul. Disord. 13(3):236-244(2003)

NCBI AND UNIPROT INFORMATION

NCBI GI #	18105016
NCBI GeneID	8292
NCBI Accession #	NP_005668.2; NP_536799.1; NP_536800.2
NCBI GenBank Nucleotide #	NM_005677.3
UniProt Accession #	Q9Y215; Q6DK18; Q6YH18; Q6YH19; Q6YH20; Q6YH21; Q9NP18; Q9NP19; Q9NP20; Q9NP21; Q9NP22; B3KY09
Molecular Weight	47766
NCBI Official Full Name	acetylcholinesterase collagenic tail peptide isoform I
NCBI Official Synonym Full Names	collagen-like tail subunit (single strand of homotrimer) of asymmetric acetylcholinesterase
NCBI Official Symbol	COLQ
NCBI Official Synonym Symbols	EAD; CMS5
NCBI Protein Information	acetylcholinesterase collagenic tail peptide
UniProt Protein Name	Acetylcholinesterase collagenic tail peptide
UniProt Gene Name	COLQ
UniProt Entry Name	COLQ_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.