

COLQ Antibody(C-term) Blocking peptide
Synthetic peptide
Catalog # BP19625b

Specification

COLQ Antibody(C-term) Blocking peptide - Product Information

Primary Accession [O9Y215](#)

COLQ Antibody(C-term) Blocking peptide - Additional Information

Gene ID 8292

Other Names

Acetylcholinesterase collagenic tail peptide, AChE Q subunit, Acetylcholinesterase-associated collagen, COLQ

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

COLQ Antibody(C-term) Blocking peptide - Protein Information

Name COLQ

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.

COLQ Antibody(C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

COLQ Antibody(C-term) Blocking peptide - Images

COLQ Antibody(C-term) Blocking peptide - 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.

COLQ Antibody(C-term) Blocking peptide - 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)