10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.622.0609

BCHE Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP7829c

Specification

BCHE Antibody (Center) Blocking Peptide - Product Information

Primary Accession P06276

BCHE Antibody (Center) Blocking Peptide - Additional Information

Gene ID 590

Other Names
Cholinesterase, Acylcholine acylhydrolase, Butyrylcholine esterase, Choline esterase II, Pseudocholinesterase, BCHE, CHE1

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP7829c was selected from the Center region of human BCHE. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

BCHE Antibody (Center) Blocking Peptide - Protein Information

Name BCHE

BCHE Antibody (Center) Blocking Peptide - Background

Mutant proteins of BCHE are responsible for suxamethonium sensitivity. Homozygous persons sustain prolonged apnea after administration of the muscle relaxant suxamethonium in connection with surgical anesthesia. The activity of pseudocholinesterase in the serum is low and its substrate behavior is atypical. In the absence of the relaxant, the homozygote is at no known disadvantage.

BCHE Antibody (Center) Blocking Peptide - References

Primo-Parmo S.L., Bartels C.F.Am. J. Hum. Genet. 58:52-64(1996)Primo-Parmo S.L., Lightstone H.Pharmacogenetics 7:27-34(1997) Yen T., Nightingale B.N.Clin. Chem. 49:1297-1308(2003)

Synonyms CHE1

Function
Esterase with broad substrate specificity. Contributes to the inactivation of the neurotransmitter acetylcholine. Can degrade neurotoxic organophosphate esters.

Cellular Location
Secreted

Tissue Location
Detected in blood plasma (at protein level). Present in most cells except erythrocytes

BCHE Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides