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BCHE Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7829c

Specification

BCHE Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	P06276
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**68418**
Antigen Region	**385-415**

BCHE Antibody (Center) - Additional Information

Gene ID 590

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

Target/Specificity
This BCHE antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 385-415 amino acids from the Central region of human BCHE.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

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.

Precautions
BCHE Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

BCHE Antibody (Center) - Protein Information

Name BCHE

Synonyms CHE1

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

Cellular Location
Secreted

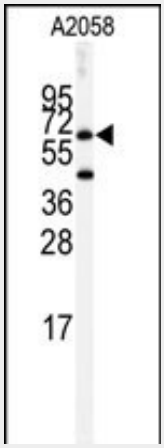
Tissue Location
Detected in blood plasma (at protein level). Present in most cells except erythrocytes

BCHE Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

BCHE Antibody (Center) - Images



Western blot analysis of anti-BCHE Antibody (Center)(Cat.#AP7829c) in A2058 cell line lysates (35ug/lane). BCHE (arrow) was detected using the purified Pab.

BCHE Antibody (Center) - 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) - 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)