

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

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

Cellular Location

Secreted

Tissue Location

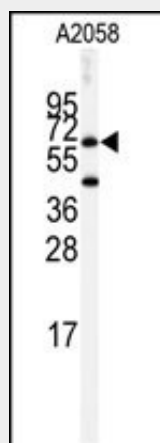
Detected in blood plasma (at protein level). Present in most cells except erythrocytes

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 Cytometry](#)
- [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)