

Anti-BCHE Picoband Antibody

Catalog # ABO12213

Product Information

Application	WB
Primary Accession	Q03311
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Cholinesterase(BCHE) detection. Tested with WB in Mouse.

Reconstitution Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	12038
Other Names	Cholinesterase, 3.1.1.8, Acylcholine acylhydrolase, Butyrylcholine esterase, Choline esterase II, Pseudocholinesterase, Bche
Calculated MW	68462
Application Details	Western blot, 0.1-0.5 µg/ml, Mouse
Subcellular Localization	Secreted .
Tissue Specificity	Present in most cells except erythrocytes.
Source	Eukaryota
Protein Name	Cholinesterase
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Immunogen	E.coli-derived mouse BCHE recombinant protein (Position: K263-E571). Mouse BCHE shares 78% amino acid (aa) sequence identity with human BCHE.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After r ° Constitution, at 4 °C for one month. It ° Can also be aliquotted and stored frozen at -20 °C for a longer time.Avoid repeated freezing and thawing.

Protein Information

Name	Bche
Function	Esterase with broad substrate specificity. Contributes to the inactivation of the neurotransmitter acetylcholine. Can degrade neurotoxic organophosphate esters.
Cellular Location	Secreted.
Tissue Location	Present in most cells except erythrocytes.

Background

Butyrylcholinesterase (BCHE, or BuChE), also known as pseudocholinesterase or plasma cholinesterase, is a non-specific cholinesterase enzyme that hydrolyses many different choline esters. In humans, it is found primarily in the liver and is encoded by the BCHE gene. Mutant alleles at the BCHE locus 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.

Images



Anti- BCHE Picoband antibody, ABO12213, Western blotting
All lanes: Anti BCHE (ABO12213) at 0.5ug/ml
WB: HEPA Whole Cell Lysate at 40ug
Predicted bind size: 66KD
Observed bind size: 66KD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.