

Rabbit anti-Mouse Butyrylcholinesterase Polyclonal Antibody | anti-BCHE antibody

Anti-Butyrylcholinesterase Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA257154	Rabbit	Mouse	Immunohistochemistry, ELISA

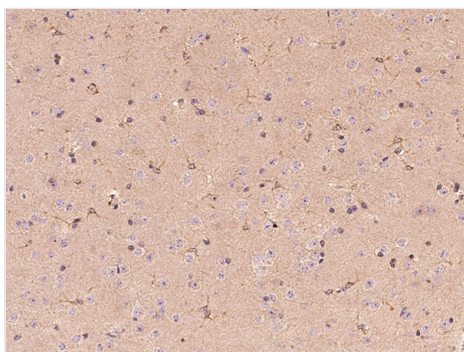
PRODUCT SYNONYMS

Butyrylcholinesterase; Polyclonal Antibody; Anti-Butyrylcholinesterase Antibody; Rabbit Polyclonal; Butyrylcholinesterase/BCHE Antibody; Rabbit PAb; Antigen Affinity Purified; butyrylcholinesterase; Anti-C730038G20Rik Antibody; anti-BCHE antibody

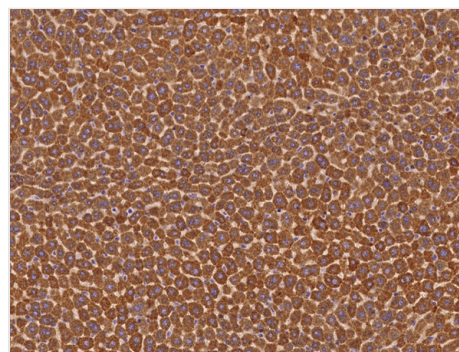
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse Butyrylcholinesterase/BCHE
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-BCHE antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Mouse Butyrylcholinesterase/BCHE Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Mouse Butyrylcholinesterase/BCHE (rM Butyrylcholinesterase/BCHE). Butyrylcholinesterase/BCHE specific IgG was purified by Mouse Butyrylcholinesterase/BCHE affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES


IHC (Immunohistochemistry)

Immunochemical staining of mouse BCHE in mouse brain with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.


IHC (Immunohistochemistry)

Immunochemical staining of mouse BCHE in mouse liver with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-BCHE antibody	Butyrylcholinesterase (BCHE), also known as cholinesterase or BuChE, is an enzyme defined as "pseudo" or "non-neuronal" cholinesterase. Butyrylcholinesterase (BCHE) is widely distributed in the nervous system as well as blood plasma. It is constitutively similar to the neuronal acetylcholinesterase, and is a non-specific cholinesterase which hydrolyses many different choline esters. Butyrylcholinesterase (BCHE) is a glycoprotein of 4 identical subunits, that were arranged as a dimer of dimers with each dimer composed of two identical subunits joined by interchain disulfide bonds. Butyrylcholinesterase (BCHE) behaves principally similar to the true enzyme and thus can play a similar role in nerve conduction, although it participates probably only in relatively slow conductive processes and could be involved in other nervous system functions and in neurodegenerative diseases. It can hydrolyze toxic esters such as cocaine or scavenge organophosphorus pesticides and nerve agents. Purified human serum cholinesterase combines in its active surface an anionic and an esteratic site, similar to true cholinesterase. It has been demonstrated that butyrylcholinesterase (BCHE) may have a greater role in cholinergic transmission than previously surmised, making BChE inhibition an important therapeutic goal in Alzheimer's disease.
Product Categories/Family for anti-BCHE antibody	Neurotransmitter Associated Enzymes Phosphatases and Regulators
References	Lockridge O. (1988) Structure of human serum cholinesterase. Bio Essays. 9(4):125-8.Mesulam M, et al. (2002) Widely Spread Butyrylcholinesterase Can Hydrolyze Acetylcholine in the Normal and Alzheimer Brain. Neurobiology of Disease. 9(1): 88-93.Nicolet Y, et al. (2003) Crystal Structure of Human Butyrylcholinesterase and of Its Complexes with Substrate and Products. The Journal of Biological Chemistry. 278: 41141-7.

NCBI AND UNIPROT INFORMATION

NCBI GI #	124487350
NCBI GeneID	12038
NCBI Accession #	NP_033868.3
NCBI GenBank Nucleotide #	NM_009738.3
UniProt Accession #	Q03311; Q543J3
Molecular Weight	68,462 Da
NCBI Official Full Name	cholinesterase
NCBI Official Synonym Full Names	butyrylcholinesterase
NCBI Official Symbol	Bche
NCBI Official Synonym Symbols	C730038G20Rik
NCBI Protein Information	cholinesterase
UniProt Protein Name	Cholinesterase
UniProt Gene Name	Bche
UniProt Entry Name	CHLE_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/butyrylcholinesterase-antibody-immunohistochemistry-elisa/257154>