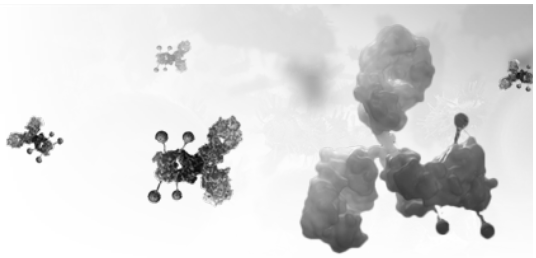

Anti-BCHE (aa 493-602) polyclonal antibody (DPAB-DC2660)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	BCHE (NP_000046, 493 a.a. ~ 602 a.a) partial recombinant protein with GST tag. The sequence is RSIVKRWANFAKYGNPNETQNNSTSWPVFKSTEQKYLTLNTESTRIMTKLRAQQCRFWTS FFPKVLEMTGNIDEAEWEWKAGFHRWNNYMMDWKNQFNDYTSKKESCVGL
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

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Gene Name	BCHE butyrylcholinesterase [Homo sapiens (human)]
Official Symbol	BCHE
Synonyms	BCHE; butyrylcholinesterase; E1; CHE1; CHE2; cholinesterase; cholinesterase 1; choline esterase II; pseudocholinesterase; butyrylcholine esterase; cholinesterase (serum) 2; acylcholine acylhydrolase;
Entrez Gene ID	590
Protein Refseq	NP_000046
UniProt ID	P06276
Chromosome Location	3q26.1-q26.2
Pathway	Glycerophospholipid biosynthesis; Metabolism; Metabolism of proteins; Neurotransmitter Clearance In The Synaptic Cleft
Function	acetylcholinesterase activity; beta-amyloid binding; catalytic activity; choline binding

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