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Product datasheet for AP21238BT-N

Butyrylcholinesterase (BCHE) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, ID, IF, IP, R, WB
Recommended Dilution:	This product is intended for use in precipitating and non-precipitating antibody-binding assays (such as e.g., ELISA and Western blotting and Immunofluorescence or Histochemical techniques). *Working dilutions in non-precipitating antibody-binding techniques:* 1/2,000-1/10,000.
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Butyrylcholinesterase isolated and purified from Human serum. Freund's complete adjuvant is used in the first step of the immunization procedure.
Specificity:	The antibody recognizes Butyrylcholinesterase from Human Serum. The reagents were evaluated for potency, purity and specificity using most or all of the following techniques: Immunoelectrophoresis, Cross-Immunoelectrophoresis, single Radial Immunodiffusion (Ouchterlony), block titration, ELISA, Immunoblotting and Enzyme Inhibition. Cross-reactivities against enzymes of other sources may occur but have not been determined.
Formulation:	PBS, pH 7.2 without preservatives and foreign proteins Label: Biotin State: Lyophilized Hyperimmune IgG fraction Molar radio: Biotin/ IgG ~1.8
Reconstitution Method:	Restore by adding 1.0 ml of sterile distilled water
Concentration:	lot specific
Purification:	Ammonium Sulphate Precipitation and Ion Exchange Chromatography
Conjugation:	Biotin

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Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	butyrylcholinesterase
Database Link:	Entrez Gene 590 Human P06276
Background:	Butyrylcholinesterase is synthetizised in the liver, and is predominantly found in serum, liver and pancreas. This enzyme is a tetrameric glycoprotein (molecular mass of 350 kDa), and consists of four subunits. Defects in Butyrylcholinesterase are the cause of a metabolic disorder characterized by prolonged apnoea after the use of certain anesthetic drugs, including the muscle relaxants succinylcholine or mivacurium and other ester local anesthetics.
Synonyms:	Butyrylcholine esterase, Pseudocholinesterase, BCHE, CHE1
Protein Families:	Druggable Genome, Transmembrane