



CHLE Polyclonal Antibody

Catalog No	YP-Ab-06834
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	BCHE CHE1
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	CHLE Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Acylcholine acylhydrolase;BCHE;Butyrylcholine esterase;butyrylcholinesterase;CHE1;Choline esterase II;Cholinesterase;E1;Pseudocholinesterase;CHLE;BCHE CHE1;Cholinesterase (EC 3.1.1.8) (Acylcholine acylhydrolase) (Butyrylcholine esterase) (Choline esterase II) (Pseudocholinesterase)
Observed Band	85-90 kDa
Calculated Molecular Weight	602 aa, 68 kDa
Cell Pathway	Secreted .
Tissue Specificity	Detected in blood plasma (at protein level). Present in most cells except erythrocytes.
Function	catalytic activity:An acylcholine + H(2)O = choline + a carboxylate., disease:Defects in BCHE are the cause of butyrylcholinesterase deficiency (BChE deficiency) [MIM:177400]. BChE deficiency is 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. The duration of the prolonged apnoea varies significantly depending on the extent of the enzyme deficiency. BChE deficiency is a multifactorial disorder. The hereditary condition is transmitted as an autosomal recessive trait.,miscellaneous:Cholinesterase is highly reactive with

organophosphate esters.,similarity:Belongs to the type-B carboxylesterase/lipase family.,subunit:Homotetramer. The tetramer is composed of two dimers. The two subunits in a dimer are linked by a disulfide bond.,tissue specificity:Pr

Background

This gene encodes a cholinesterase enzyme and member of the type-B carboxylesterase/lipase family of proteins. The encoded enzyme exhibits broad substrate specificity and is involved in the detoxification of poisons including organophosphate nerve agents and pesticides, and the metabolism of drugs including cocaine, heroin and aspirin. Humans homozygous for certain mutations in this gene exhibit prolonged apnea after administration of the muscle relaxant succinylcholine. [provided by RefSeq, Jul 2016],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images