Datasheet for ABIN2781762

anti-Butyrylcholinesterase antibody (N-Term)

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Overview

Quantity:	100 µL
Target:	Butyrylcholinesterase (BCHE)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Dog, Rat, Sheep, Cow, Horse, Guinea Pig, Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Butyrylcholinesterase antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human BCHE
Sequence:	SSLHVYDGKF LARVERVIVV SMNYRVGALG FLALPGNPEA PGNMGLFDQQ
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 93%, Rat: 100%, Sheep: 100%
Characteristics:	This is a rabbit polyclonal antibody against BCHE. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	Butyrylcholinesterase (BCHE)

Target Details

Alternative Name:	BCHE (BCHE Products)
Background:	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.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. Alias Symbols: CHE1, E1 Protein Interaction Partner: COLQ, BCHE, Protein Size: 602
Molecular Weight:	68 kDa
Gene ID:	590
NCBI Accession:	NM_000055, NP_000046
UniProt:	P06276
Pathways:	Peptide Hormone Metabolism

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 602 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

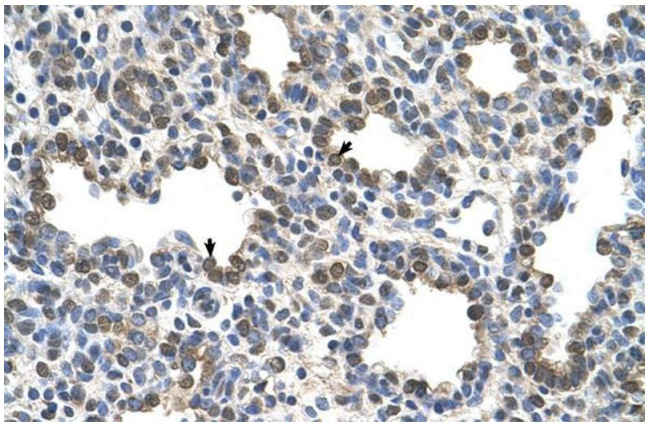
Publications

Product cited in:	Spellman, Ahmed, Dubach, Gardiner: "Expression of trisomic proteins in Down syndrome model systems." in: **Gene**, Vol. 512, Issue 2, pp. 219-25, (2012) (PubMed).

Images

Western Blotting

Image 1. WB Suggested Anti-BCHE Antibody Titration: 1.25ug/ml Positive Control: HepG2 cell lysate



Immunohistochemistry

Image 2. Human Lung