

ARG41412 anti-Butyrylcholinesterase antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Butyrylcholinesterase
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog, Gpig, Hrs, Pig, Rb, Sheep
Tested Application	IHC-P
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Butyrylcholinesterase
Species	Human
Immunogen	Synthetic peptide around the N-terminal region of Human Butyrylcholinesterase. (within the following region: SSLHVVYDGKFLARVERVIVVSMNYRVGALGFLALPGNPEAPGNMGLFDQQ)
Conjugation	Un-conjugated
Alternate Names	Butyrylcholine esterase; CHE2; CHE1; Choline esterase II; EC 3.1.1.8; Acylcholine acylhydrolase; E1; Cholinesterase; Pseudocholinesterase

Application Instructions

Predict Reactivity Note	Predicted Homology Based On Immunogen Sequence: Cow: 100%; Dog: 100%; Guinea pig: 93%; Horse: 100%; Mouse: 100%; Pig: 100%; Rabbit: 93%; Rat: 100%; Sheep: 100%				
Application table	<table> <tr> <th>Application</th><th>Dilution</th></tr> <tr> <td>IHC-P</td><td>Assay-dependent</td></tr> </table>	Application	Dilution	IHC-P	Assay-dependent
Application	Dilution				
IHC-P	Assay-dependent				
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.				
Positive Control	HepG2				

Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS, 0.09% (w/v) Sodium azide and 2% Sucrose.
Preservative	0.09% (w/v) Sodium azide
Stabilizer	2% Sucrose
Concentration	Batch dependent within range: 0.5 - 1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

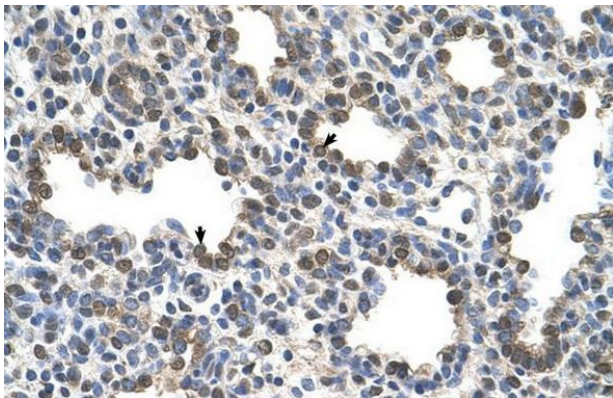
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	BCHE
Gene Full Name	butyrylcholinesterase
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. [provided by RefSeq, Jul 2008]
Function	Esterase with broad substrate specificity. Contributes to the inactivation of the neurotransmitter acetylcholine. Can degrade neurotoxic organophosphate esters. [UniProt]
Calculated Mw	68 kDa
PTM	N-glycosylated. No other PTM detected (PubMed:20946535). The major N-glycan structures are of the complex diantennary type with 1 and 2 N-acetylneuraminic acid molecules (Neu5Ac) making up approximately 33% and 47% of the total N-glycans, respectively. Only low amounts of fucosylated diantennary N-glycans are detected (approximately 2%). Triantennary N-glycans with or without fucose amount to approximately 13%, whereas 5% of the total N-glycans are of the oligomannosidic or hybrid type. [UniProt]
Cellular Localization	Secreted. [UniProt]

Images



ARG41412 anti-Butyrylcholinesterase antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung tissue stained with ARG41412 anti-Butyrylcholinesterase antibody.