

For Research Use Only

BCHE Polyclonal antibody

Catalog Number: 23854-1-AP

2 Publications



Basic Information

Catalog Number: 23854-1-AP	GenBank Accession Number: BC008396	Purification Method: Antigen Affinity purified
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop and 413 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 590	Recommended Dilutions: WB 1:500-1:1000 IHC 1:20-1:200 IF 1:20-1:200
Source: Rabbit	Full Name: butyrylcholinesterase	
Isotype: IgG	Calculated MW: 602 aa, 68 kDa	
Immunogen Catalog Number: AG20888	Observed MW: 85-90 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls: WB : HeLa cells, HEK-293 cells
Cited Applications: IF, WB	IHC : human liver tissue,
Species Specificity: human	IF : HeLa cells,
Cited Species: human, goat	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

BCHE(butyrylcholinesterase) is an enzyme expressed in most human tissues. It may have a greater role in cholinergic transmission than previously surmised, making BChE inhibition an important therapeutic goal in Alzheimer's disease(PMID:11848688). BCHE is also named as CHE1 and belongs to the type-B carboxylesterase/lipase family. This is a glycoprotein with the molecular weight from 68 kDa to 90 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Yuanyuan Li	30899600	Nat Biomed Eng	WB
Jia-Hao Wang	37508483	Cells	WB,IF

Storage

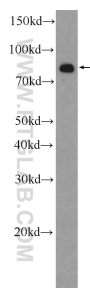
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

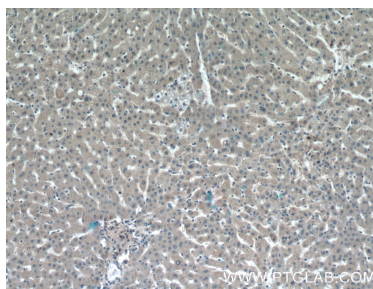
For technical support and original validation data for this product please contact:
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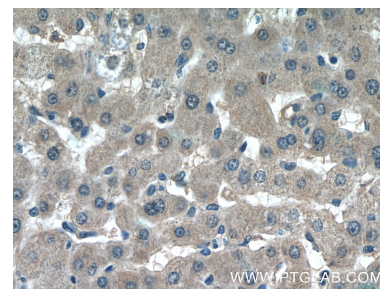
Selected Validation Data



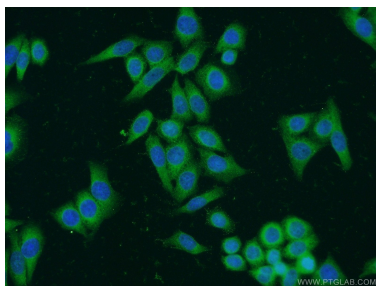
HeLa cells were subjected to SDS PAGE followed by western blot with 23854-1-AP (BCHE Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 23854-1-AP (BCHE Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 23854-1-AP (BCHE Antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of HeLa cells using 23854-1-AP (BCHE antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).