

For Research Use Only

FTCD Polyclonal antibody

Catalog Number: 21959-1-AP

5 Publications



Basic Information

Catalog Number: 21959-1-AP	GenBank Accession Number: BC136395	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 500 ug/ml by Nanodrop and 480 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10841	Recommended Dilutions: WB 1:4000-1:16000 IHC 1:250-1:1000
Source: Rabbit	UNIPROT ID: O95954	
Isotype: IgG	Full Name: formiminotransferase cyclodeaminase	
Immunogen Catalog Number: AG16646	Calculated MW: 541 aa, 59 kDa	
	Observed MW: 53-62 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Cited Applications: WB, IHC, IF	WB : mouse liver tissue, rat liver tissue
Species Specificity: human, mouse, rat	IHC : human liver tissue,
Cited Species: human, mouse	

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

FTCD (formimidoyltransferase cyclodeaminase) is critical for the catabolism of histidine, a . This process is one-carbon units that can enter the one-carbon/folate cycle, which provides methyl groups for arsenic metabolism (PMID: 30893314). In addition, FTCD could serve as a predictive and prognostic marker for patients with HCC (PMID: 37675273).

Notable Publications

Author	Pubmed ID	Journal	Application
Shizhe Yu	35813194	Front Cell Dev Biol	IF
Jiajia Chen	31203308	Med Sci Monit	WB,IHC
Huimin Shen	33380233	Bioengineered	IHC

Storage

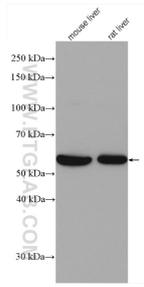
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

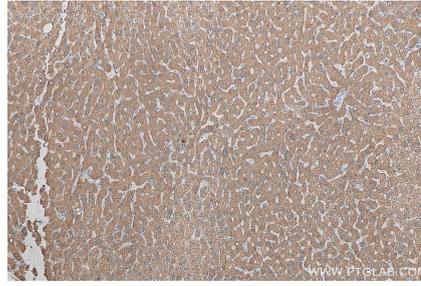
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

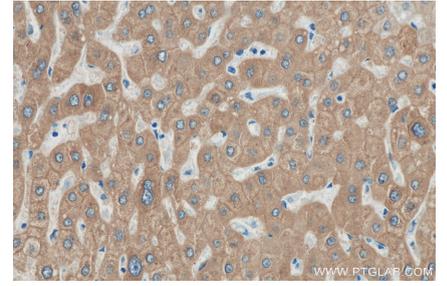
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 21959-1-AP (FTCD antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 21959-1-AP (FTCD antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 21959-1-AP (FTCD antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).