

For Research Use Only

FTCD Polyclonal antibody

Catalog Number: 21959-1-AP

5 Publications



Basic Information

Catalog Number:

21959-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 480 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16646

GenBank Accession Number:

BC136395

GeneID (NCBI):

10841

UNIPROT ID:

O95954

Full Name:

formiminotransferase
cyclodeaminase

Calculated MW:

541 aa, 59 kDa

Observed MW:

53-62 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:4000-1:16000

IHC 1:250-1:1000

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : mouse liver tissue, rat liver tissue

IHC : human liver tissue,

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

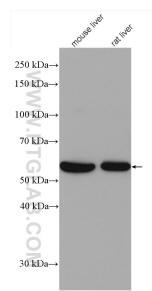
For technical support and original validation data for this product please contact:

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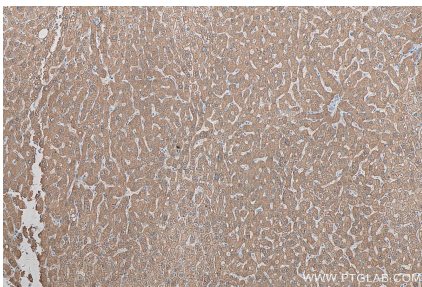
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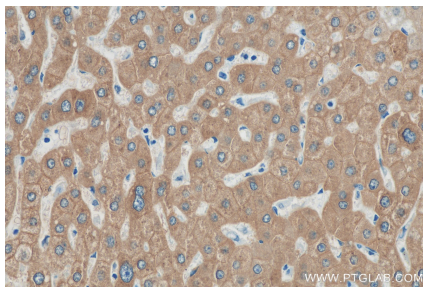
Selected Validation Data



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).