

FTCD Rabbit mAb

Catalog NO.: A22654 **Recombinant**

Basic Information

Observed MW

59kDa

Calculated MW

59kDa

Category

Monoclonal Antibodies

Applications

WB, IF-P, IHC-P, ELISA

Cross-Reactivity

Human, Mouse, Rat

Conjugation

Unconjugated

Clone number

ARC58229

Background

The protein encoded by this gene is a bifunctional enzyme that channels 1-carbon units from formiminoglutamate, a metabolite of the histidine degradation pathway, to the folate pool. Mutations in this gene are associated with glutamate formiminotransferase deficiency. Alternatively spliced transcript variants have been found for this gene.

Recommended Dilutions

WB 1:2000 - 1:10000

IF-P 1:500 - 1:2000

IHC-P 1:1000 - 1:4000

ELISA

Recommended starting concentration is 1 µg/mL.
Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID	Swiss Prot
10841	O95954

Immunogen

Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms

LCHC1; FTCD

Contact

Product Information

☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

Source

Rabbit

Isotype

IgG

Purification

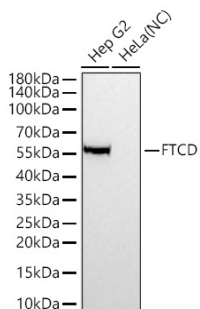
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Western blot analysis of various lysates using FTCD Rabbit mAb (A22654) at 1:5000 dilution incubated overnight at 4°C.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

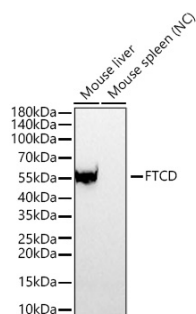
Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Negative control (NC): HeLa

Exposure time: 20s.



Western blot analysis of various lysates using FTCD Rabbit mAb (A22654) at 1:5000 dilution .

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

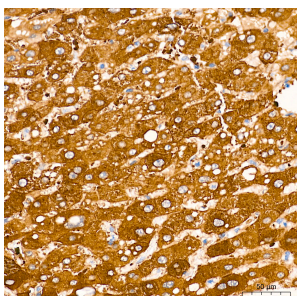
Lysates/proteins: µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

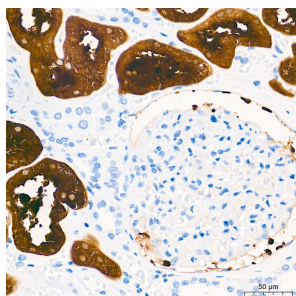
Detection: ECL Basic Kit (RM00020).

Negative control (NC): Mouse spleen

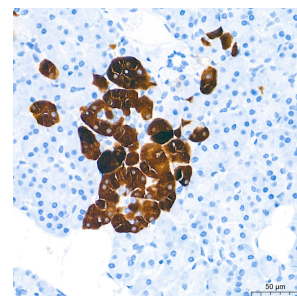
Exposure time: 90s.



Immunohistochemistry analysis of paraffin-embedded Human liver tissue using FTCD Rabbit mAb (A22654) at a dilution of 1:2500 (40x lens). High



Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using FTCD Rabbit mAb (A22654) at a dilution of 1:2500 (40x lens). High



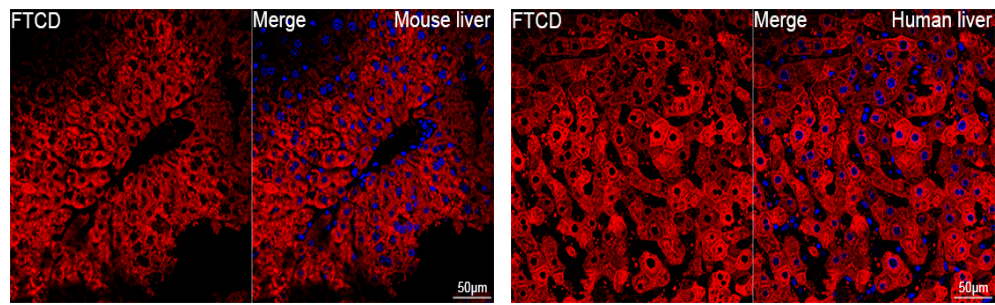
Immunohistochemistry analysis of paraffin-embedded Human pancreas tissue using FTCD Rabbit mAb (A22654) at a dilution of 1:2500 (40x lens). High

pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

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Validation Data



Confocal imaging of paraffin-embedded Mouse liver tissue using FTCD Rabbit mAb (A22654, dilution 1:1000) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

Confocal imaging of paraffin-embedded Human liver tissue using FTCD Rabbit mAb (A22654, dilution 1:1000) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

