



## International Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB06443-T - Goat Anti-58KGolgi protein(Internal)/FTCD Antibody - Trial

Size: 20µg specific antibody in 40µl



### Target Protein

**Principal Names:** FTCD, LCHC1, formiminotransferase cyclodeaminase, formimidoyltransferase cyclodeaminase, LC1 autoantigen

**Official Symbol:** FTCD

**Accession Number(s):** NP\_006648.1; NP\_996848.1; NP\_001307341.1

**Human GeneID(s):** [10841](#)

**Important Comments:** Variants (NP\_006648.1; NP\_996848.1) encode the same protein.

### Immunogen

Peptide with sequence CLREQGRGKDQPGRL, from the internal region of the protein sequence according to NP\_006648.1; NP\_996848.1; NP\_001307341.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:32000.

**Western blot:** Approx 55-58kDa band observed in Human, Mouse and Rat Liver lysates (calculated MW of 58.9kDa according to Human NP\_006648.1, Mouse NP\_543121.1 and Rat NP\_446019.1). Recommended concentration: 0.5-1µg/ml. Primary incubation 1 hour at room temperature.

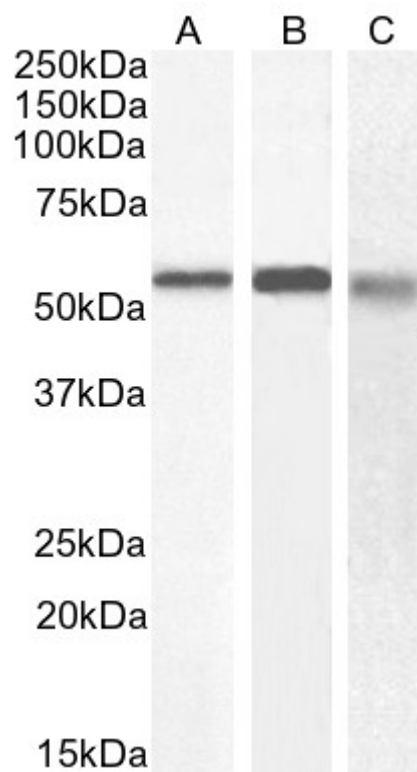
**IHC:** Paraffin embedded Human Liver. Recommended concentration: 5-6µg/ml.

**Immunofluorescence:** Expression of the protein seen in the membranes and cytoplasm of Caco-2 cells. Recommended concentration: 10µg/ml. **Flow Cytometry:** A customer reported weak staining on Caco-2 cells at a concentration of 10µg/ml.

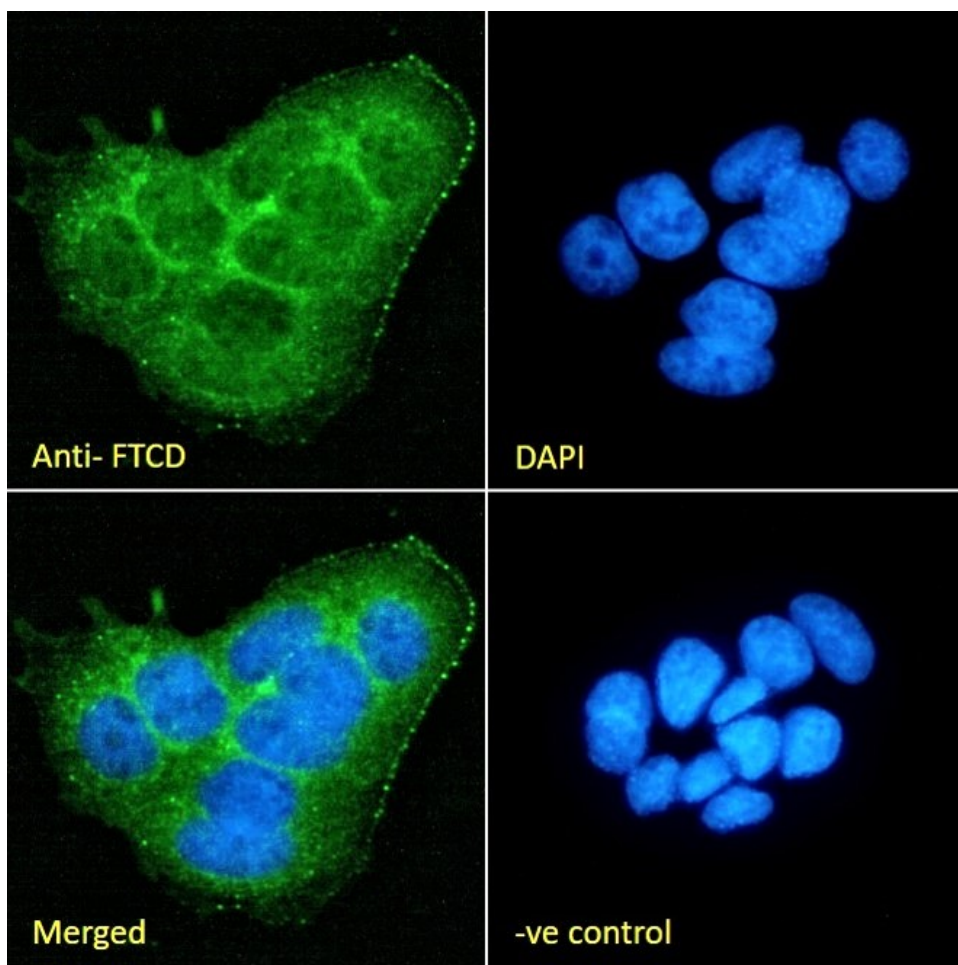
### Species Reactivity

**Tested:** Human, Mouse, Rat

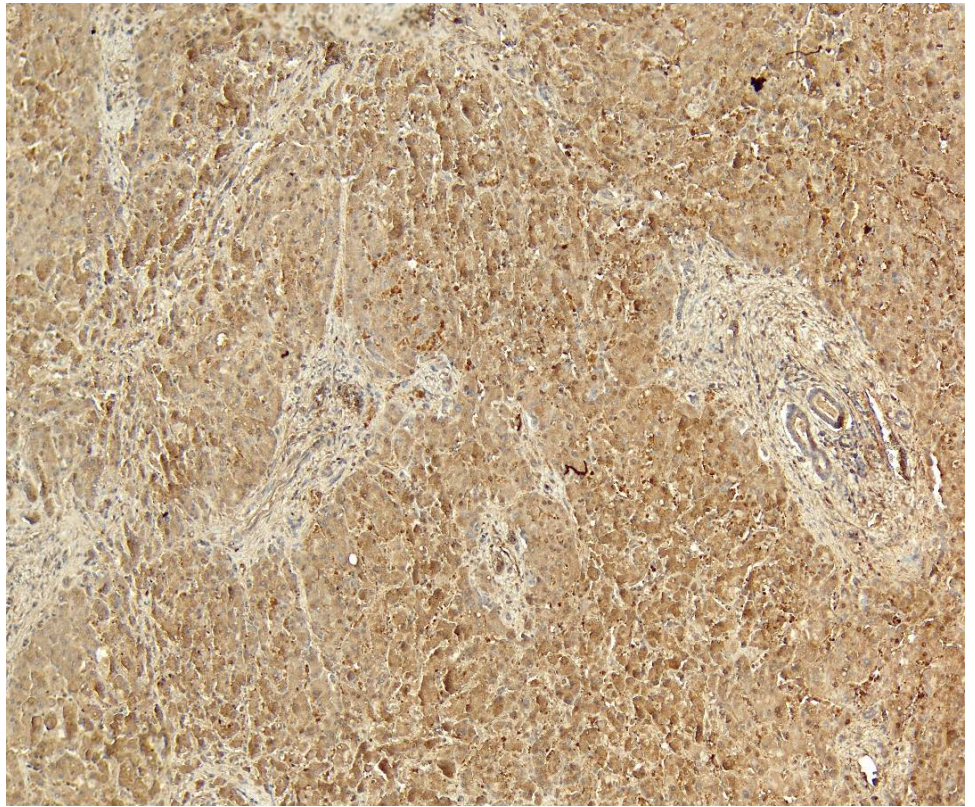
**Expected from sequence similarity:** Human, Mouse, Rat, Pig, Cow



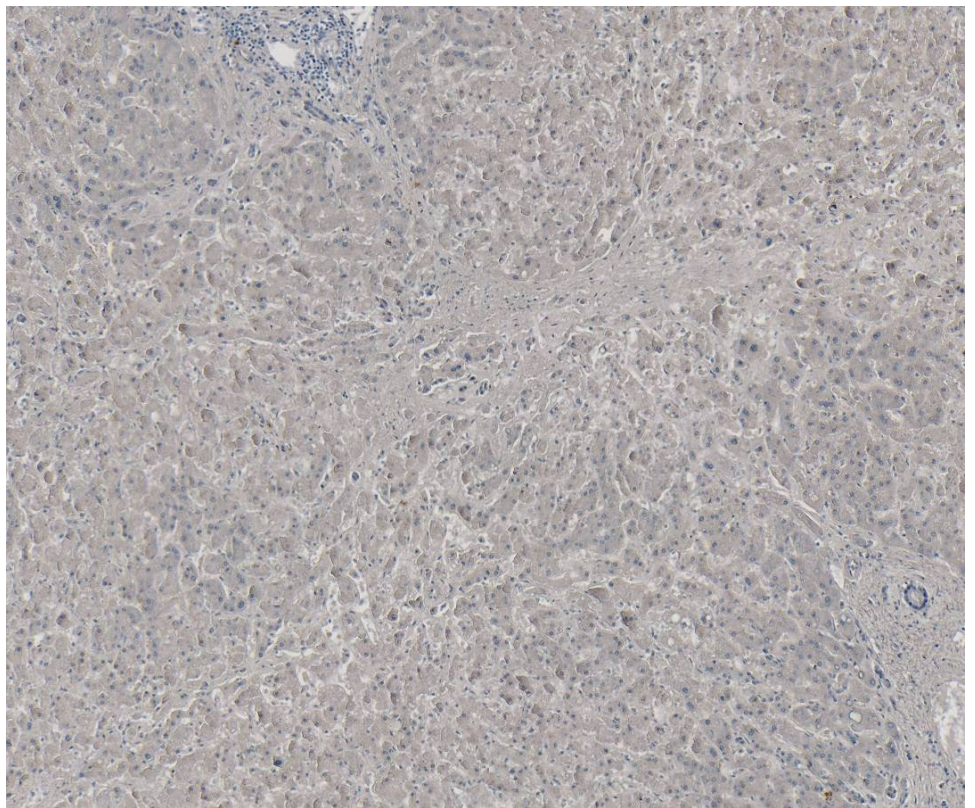
EB06443 (0.75 $\mu$ g/ml) staining of Human (A) and Mouse (B) and (0.5 $\mu$ g/ml) of Rat  $\odot$  Liver lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB06443 Immunofluorescence analysis of paraformaldehyde fixed Caco-2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB06443 (6µg/ml) staining of paraffin embedded Human Liver. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB06443 Negative Control showing staining of paraffin embedded Human Liver, with no primary antibody.