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

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

Size: 100µg specific antibody in 200µl



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.

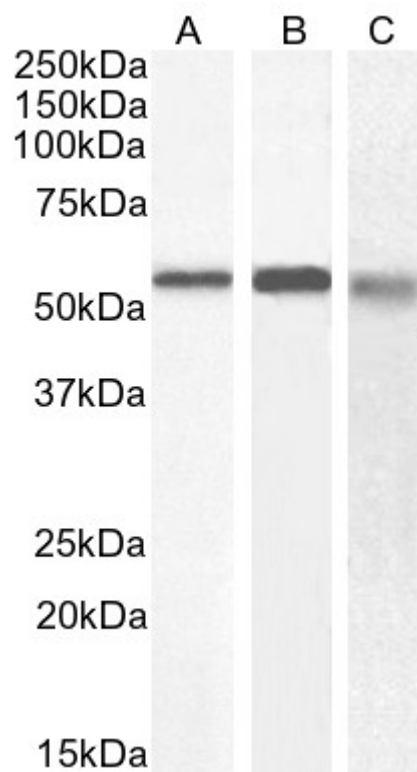
IHC: Paraffin embedded Human Liver. Recommended concentration: 5-6µg/ml.

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.

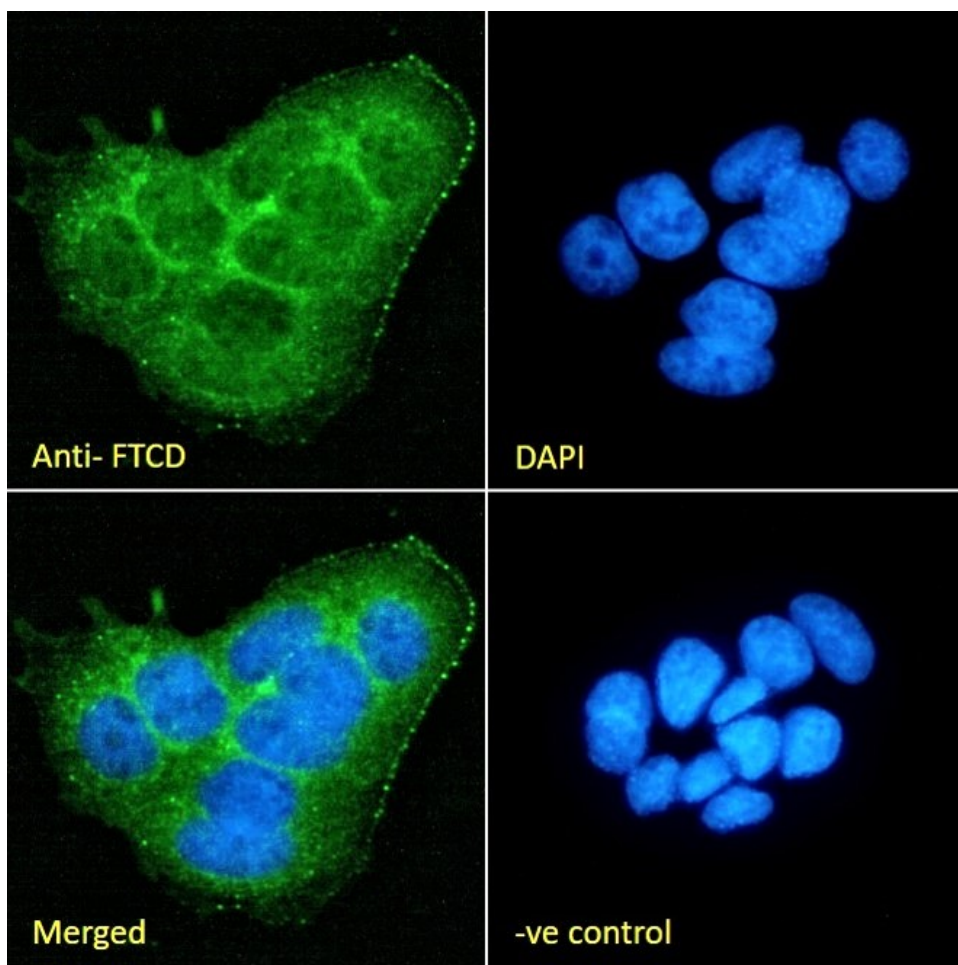
Species Reactivity

Tested: Human, Mouse, Rat

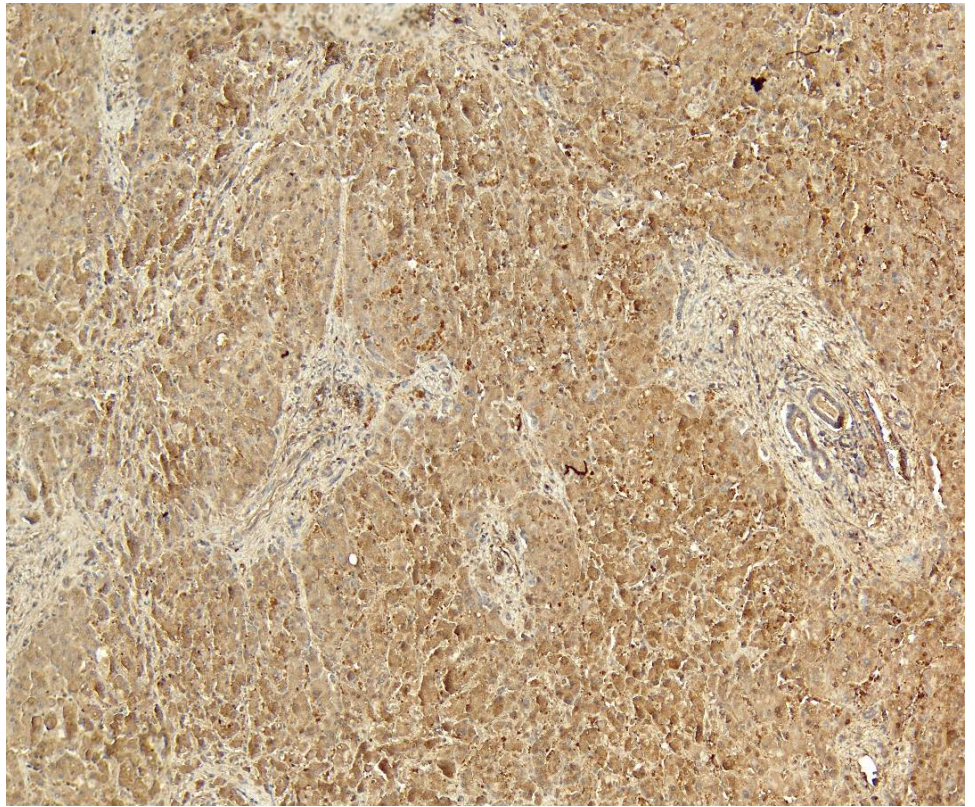
Expected from sequence similarity: Human, Mouse, Rat, Pig, Cow



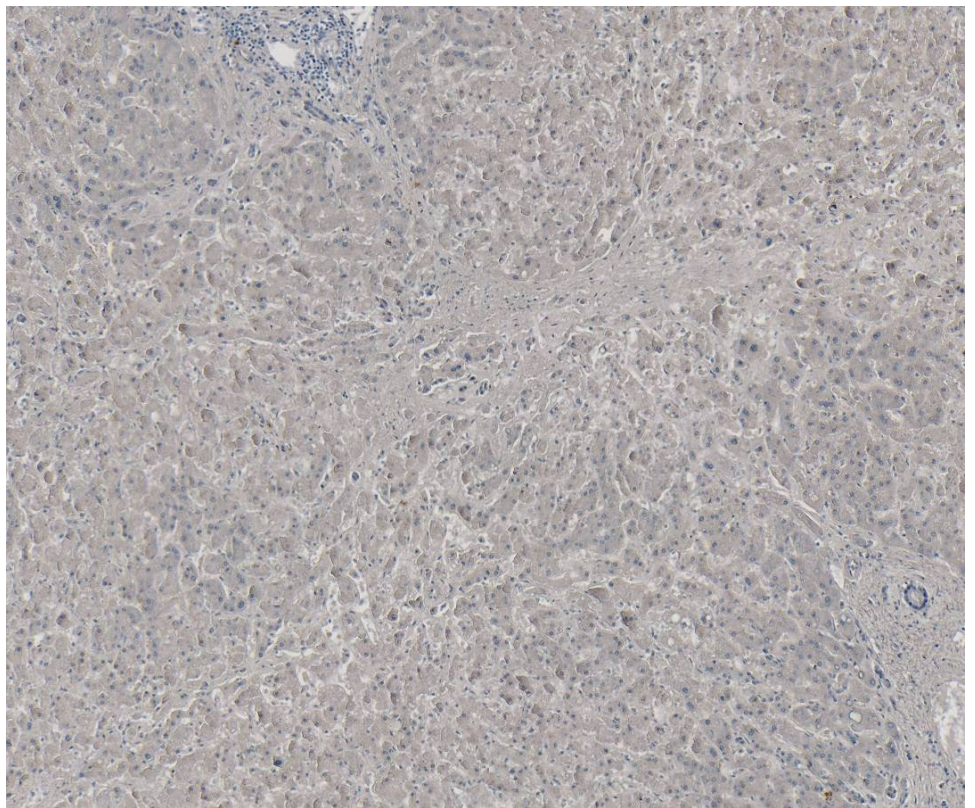
EB06443 (0.75 μ g/ml) staining of Human (A) and Mouse (B) and (0.5 μ g/ml) of Rat \odot Liver lysate (35 μ g protein in RIPA buffer). Detected by chemiluminescence.



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.