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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

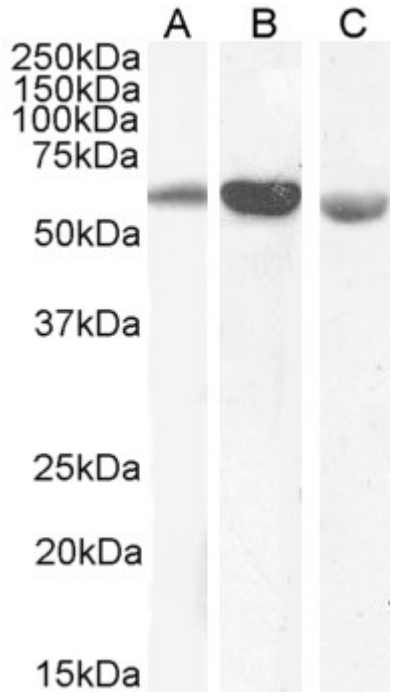
Peptide ELISA: antibody detection limit dilution 1:64000.
Western blot: Approx 60kDa band observed in Human and Mouse Liver lysates and approx. 55-60kDa in Pig Liver lysates, and also in preliminary testing of Rat Liver and Human Kidney lysates (calculated MW of 58.9kDa according to Human NP_006648.1, Mouse NP_543121.1 and Pig NP_999440.1). Recommended concentration: 0.1-0.3µg/ml. Primary incubation 1 hour at room temperature.

Immunofluorescence: Strong expression of the protein seen in the cytoplasm and plasma membranes of HeLa and in the membranes of HepG2 cells. Recommended concentration: 10µg/ml.

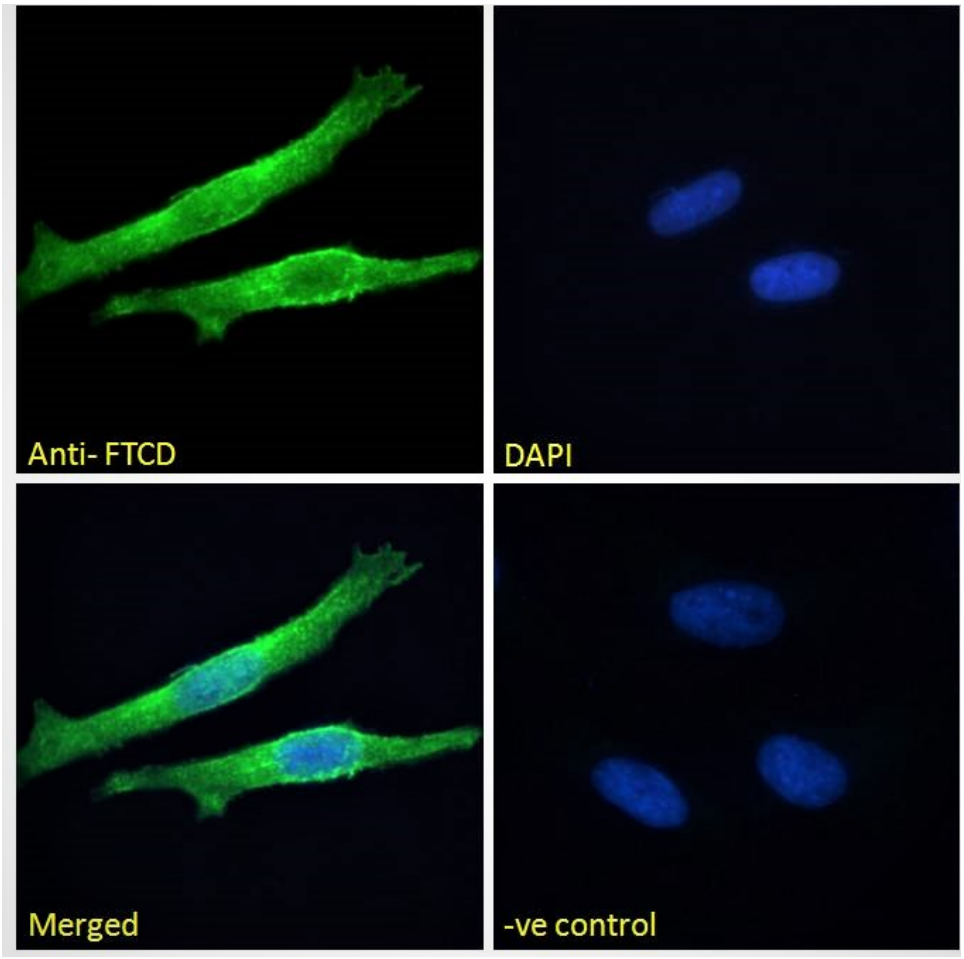
Flow Cytometry: Flow cytometric analysis of HepG2 cells. Recommended concentration: 10ug/ml.

Species Reactivity

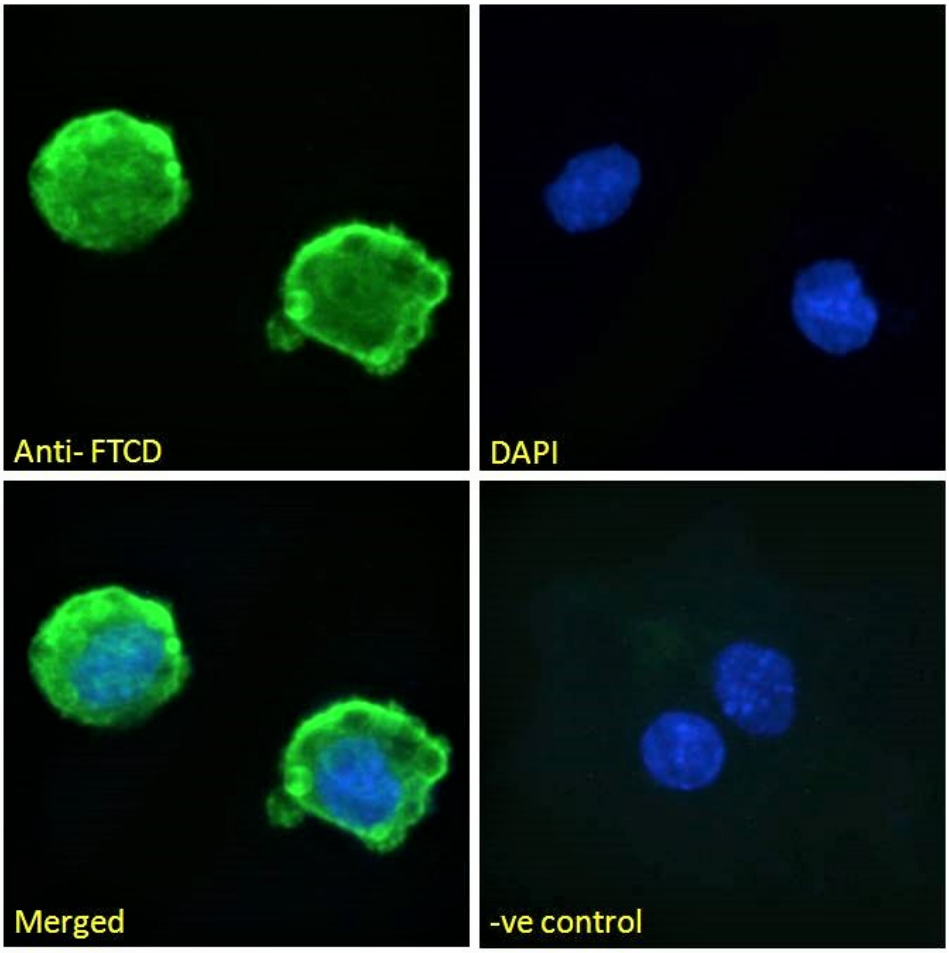
Tested: Human, Mouse, Pig
Expected from sequence similarity: Human, Mouse, Rat, Pig, Cow



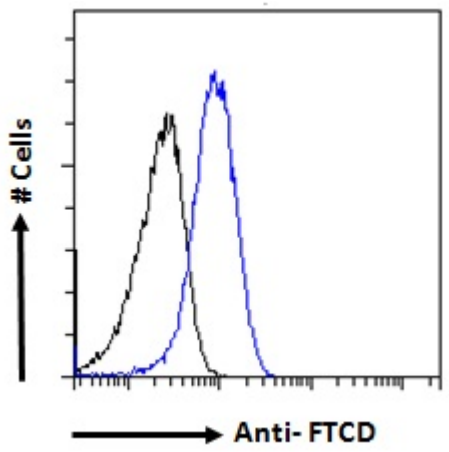
EB06443 (0.1µg/ml) staining of Human (A) of Mouse (B) and (0.3ug/ml) of Pig (C) Liver lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



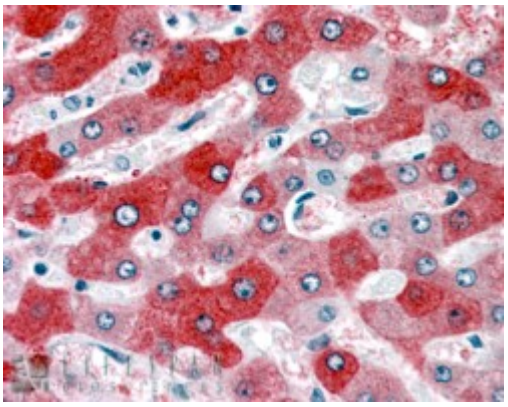
EB06443 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing plasma membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized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



EB06443 Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB06443 Flow cytometric analysis of paraformaldehyde fixed HepG2 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



EB06443 (3.75µg/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining. **This data is from a previous batch, not on sale.**