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

## EB06442 - Goat Anti-58K Golgi protein(N-Term)/FTCD Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** FTCD, LCHC1, formiminotransferase cyclodeaminase, formimidoyltransferase cyclodeaminase, formiminotransferase-cyclodeaminase

**Official Symbol:** FTCD

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

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

**Non-Human GeneID(s):** 14317 (mouse)

**Important Comments:** Reported variants represent identical protein: NP\_996848.1, NP\_006648.1

### Immunogen

Peptide with sequence SQLVECVPNFSEGNQ, from the N Terminus of the protein sequence according to NP\_006648.1; 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 58-60kDa band observed in Human Liver lysates and in lysates of cell line HepG2 (calculated MW of 58.9kDa according to NP\_006648.1). Recommended concentration: 0.05-0.1µg/ml. Primary incubation 1 hour at room temperature.

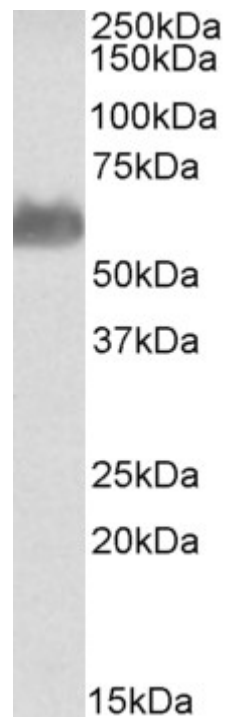
**Immunofluorescence:** Strong expression of the protein seen in HeLa and HepG2 cells. Recommended concentration: 10µg/ml.

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

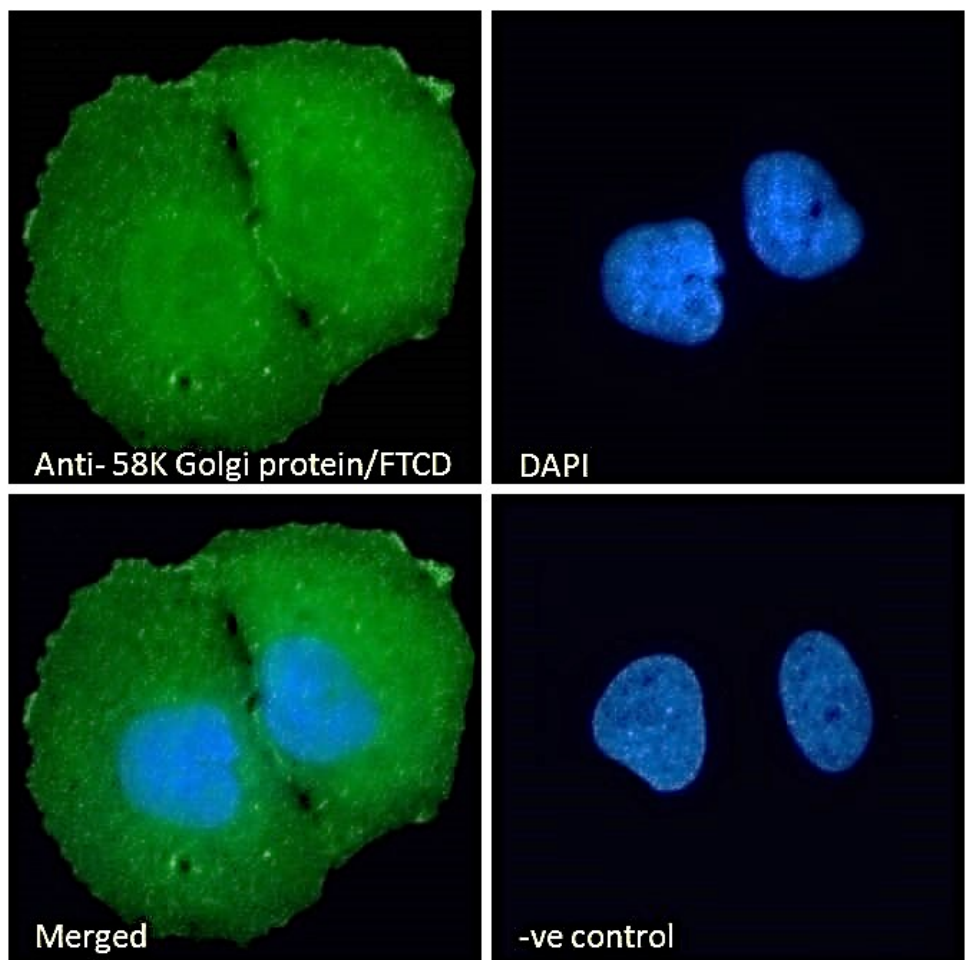
### Species Reactivity

**Tested:** Human

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

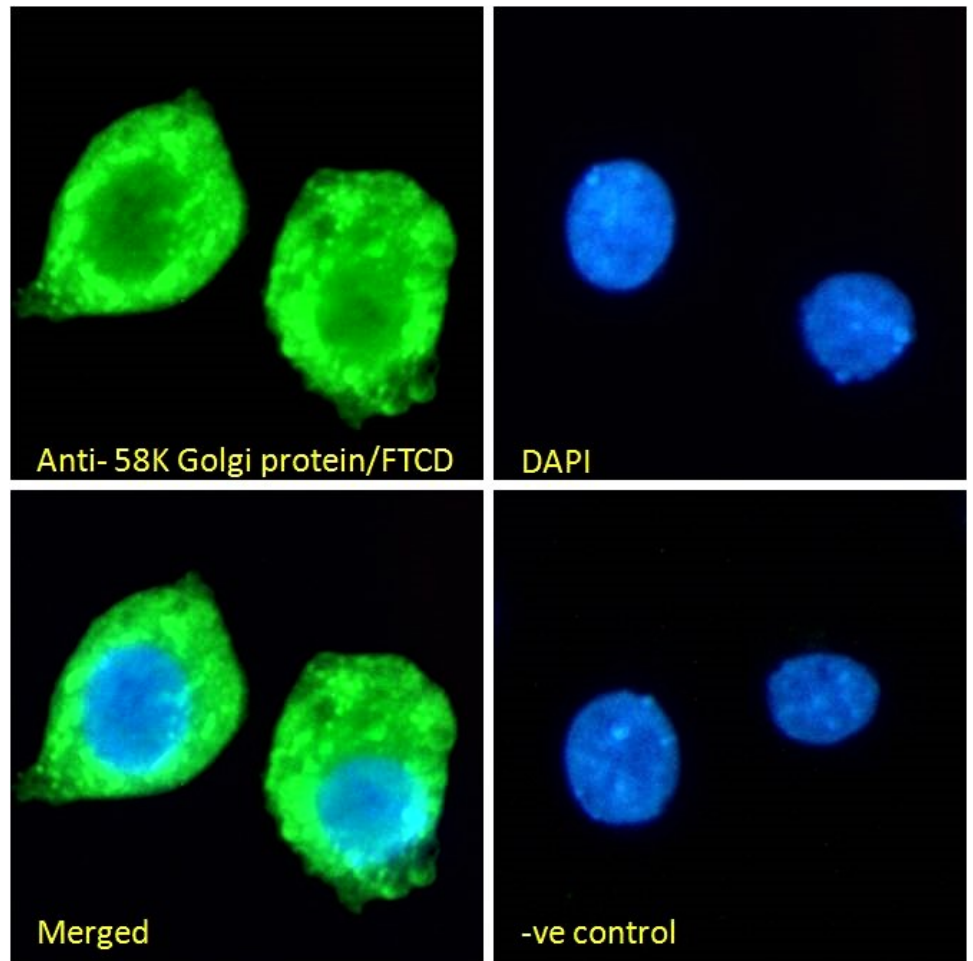


EB06442 (0.1ug/ml) staining of HepG2 cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

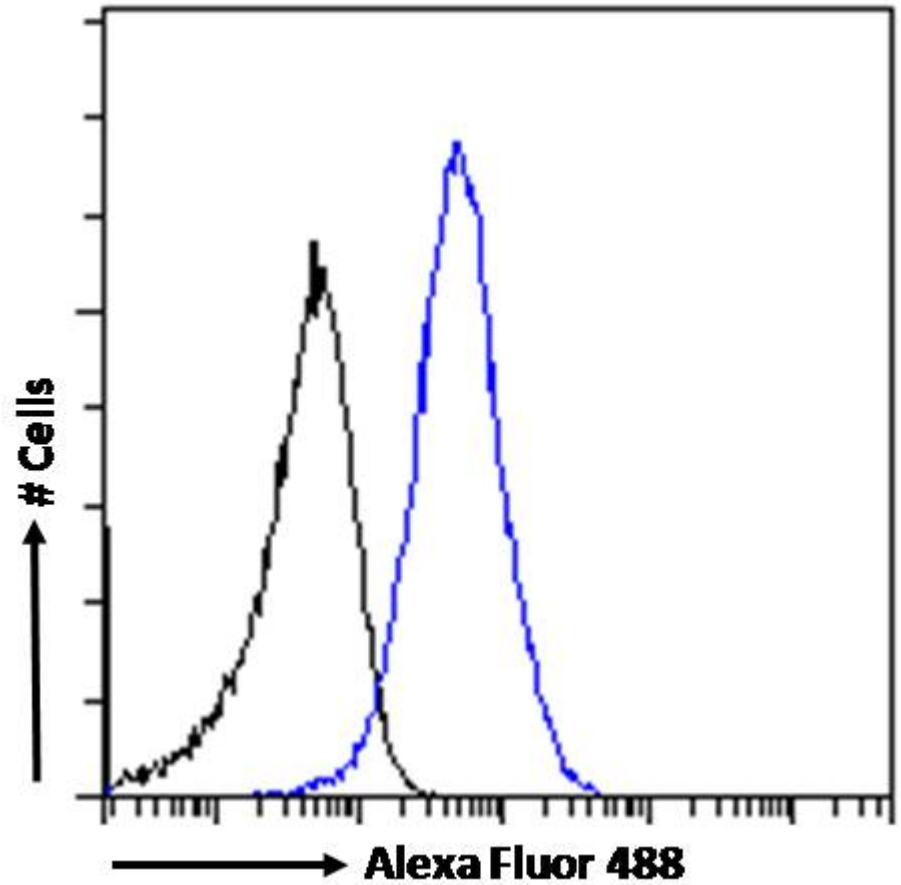


EB06442 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic and plasma membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG

(10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB06442 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 cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB06442 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.