

## UK Office

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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 1:64000.

**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.**