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

**Peptide-affinity purified goat antibody**
**Catalog # AF1003b**

## Specification

### Goat Anti-58KGolgi protein(Internal)/FTCD Antibody - Product Information

| | |
|---|---|
| Application | **WB, IHC, E** |
| Primary Accession | O95954 |
| Other Accession | NP_996848, 10841 |
| Reactivity | **Human** |
| Predicted | **Mouse, Rat, Pig** |
| Host | **Goat** |
| Clonality | **Polyclonal** |
| Concentration | **100ug/200ul** |
| Isotype | **IgG** |
| Calculated MW | **58927** |

### Goat Anti-58KGolgi protein(Internal)/FTCD Antibody - Additional Information

**Gene ID** 10841

**Other Names**
Formimidoyltransferase-cyclodeaminase, Formiminotransferase-cyclodeaminase, FTCD, LCHC1, Glutamate formimidoyltransferase, 2.1.2.5, Glutamate formiminotransferase, Glutamate formyltransferase, Formimidoyltetrahydrofolate cyclodeaminase, 4.3.1.4, Formiminotetrahydrofolate cyclodeaminase, FTCD

**Dilution**
WB~~1:1000
IHC~~1:100~500
E~~N/A

**Format**
0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**
Goat Anti-58KGolgi protein(Internal)/FTCD Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

### Goat Anti-58KGolgi protein(Internal)/FTCD Antibody - Protein Information

**Name** FTCD

**Function**
Folate-dependent enzyme, that displays both transferase and deaminase activity. Serves to channel one-carbon units from formiminoglutamate to the folate pool.

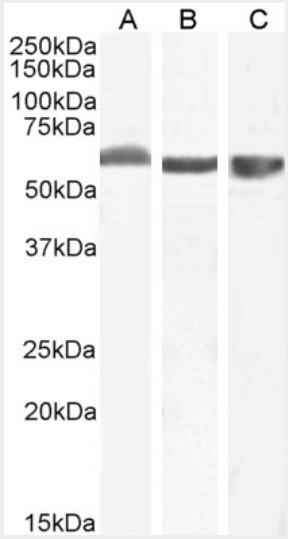
**Cellular Location**
Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q9YH58}. Golgi apparatus {ECO:0000250|UniProtKB:Q9YH58}. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole Note=More abundantly located around the mother centriole

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

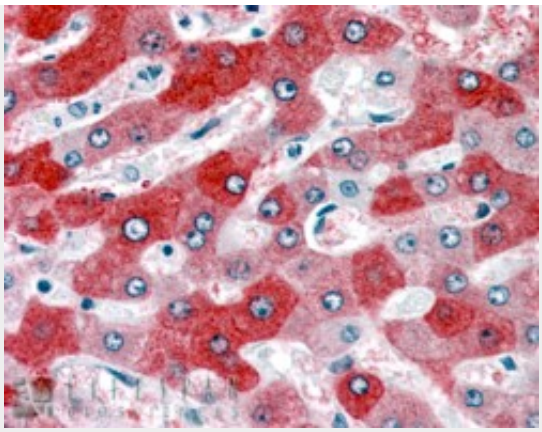
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

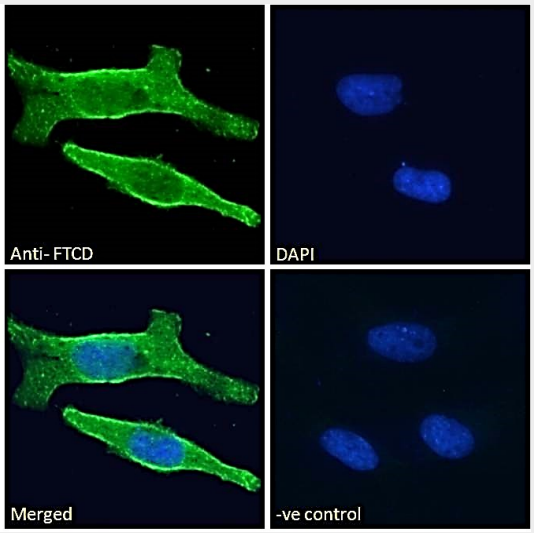
## Goat Anti-58KGolgi protein(Internal)/FTCD Antibody - Images



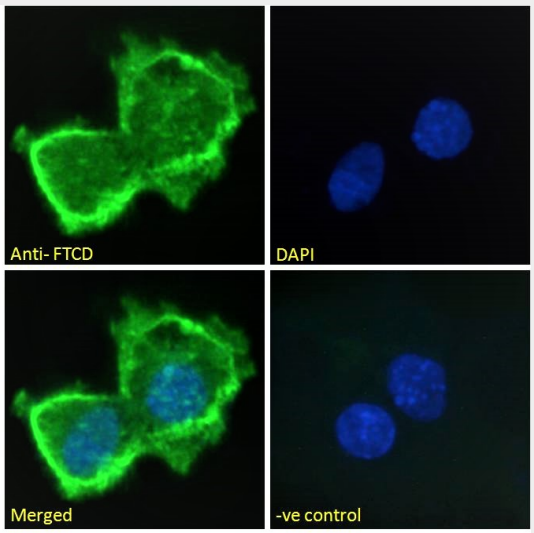

AF1003b (0.1 µg/ml) staining of Human (A), (0.03ug/ml) of Mouse (B) and (0.3ug/ml) of Pig (C) Liver lysate (35 µg protein in RIPA buffer). Detected by chemiluminescence.



AF1003b (3.75 µg/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.




AF1003b 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 membrane and cytoplasmic and plasma membrane stain




AF1003b Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary

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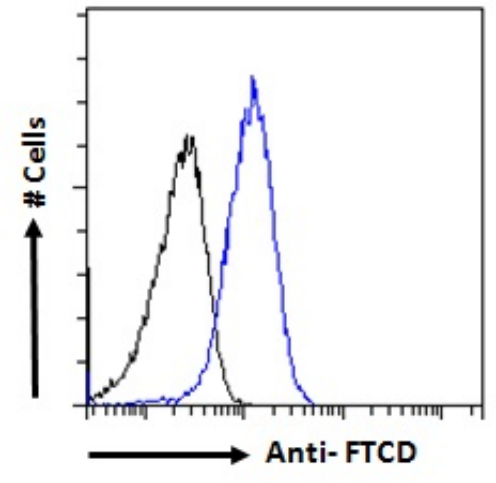
antibody (2ug/ml), showing plasma membrane staining. The nuclear stain is DA




AF1003b 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) fo

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

The protein encoded by this gene is a bifunctional enzyme that channels 1-carbon units from formiminoglutamate, a metabolite of the histidine degradation pathway, to the folate pool. Mutations in this gene are associated with glutamate formiminotransferase deficiency. Alternatively spliced transcript variants have been found for this gene.

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

Maternal genes and facial clefts in offspring: a comprehensive search for genetic associations in two population-based cleft studies from Scandinavia. Jugessur A, et al. PLoS One, 2010 Jul 9. PMID 20634891.
Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.
Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121.
Transcriptomic and genetic studies identify IL-33 as a candidate gene for Alzheimer's disease. Chapuis J, et al. Mol Psychiatry, 2009 Nov. PMID 19204726.
An association study of 45 folate-related genes in spina bifida: Involvement of cubilin (CUBN) and tRNA aspartic acid methyltransferase 1 (TRDMT1). Franke B, et al. Birth Defects Res A Clin Mol Teratol, 2009 Mar. PMID 19161160.