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# FTCD Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant FTCD.
Catalog # AT2113a

## Product Information

| | |
|---|---|
| **Application** | WB, E |
| **Primary Accession** | O95954 |
| **Other Accession** | NM_206965 |
| **Reactivity** | Human |
| **Host** | mouse |
| **Clonality** | monoclonal |
| **Isotype** | IgG2a Kappa |
| **Clone Names** | 5F6 |
| **Calculated MW** | 58927 |

## Additional Information

| | |
|---|---|
| **Gene ID** | 10841 |
| **Other Names** | Formimidoyltransferase-cyclodeaminase, Formiminotransferase-cyclodeaminase, FTCD, LCHC1, Glutamate formimidoyltransferase, Glutamate formiminotransferase, Glutamate formyltransferase, Formimidoyltetrahydrofolate cyclodeaminase, Formiminotetrahydrofolate cyclodeaminase, FTCD |
| **Target/Specificity** | FTCD (NP_996848, 440 a.a. ~ 541 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| **Dilution** | WB~~1:500~1000 E~~N/A |
| **Format** | Clear, colorless solution in phosphate buffered saline, pH 7.2 . |
| **Storage** | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |
| **Precautions** | FTCD Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures. |

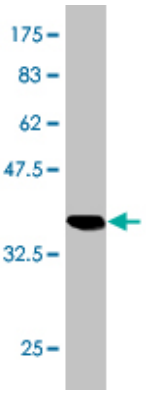
## Background

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.

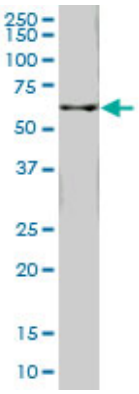
## References

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.

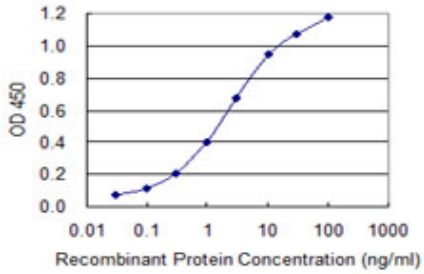
## Images




Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.96 KDa) .




FTCD monoclonal antibody (M02), clone 5F6. Western Blot analysis of FTCD expression in HepG2 ( (Cat # AT2113a )




Detection limit for recombinant GST tagged FTCD is 0.03 ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.