

## Product datasheet for **TA504943M**

### FTCD Mouse Monoclonal Antibody [Clone ID: OTI7C5]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI7C5
Applications:	FC, WB
Recommended Dilution:	WB 1:500~2000, FLOW 1:100
Reactivity:	Human, Monkey
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human FTCD(NP_006648) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	58.7 kDa
Gene Name:	formimidoyltransferase cyclodeaminase
Database Link:	<a href="#">NP_006648</a> <a href="#">Entrez Gene 721818 Monkey</a> <a href="#">Entrez Gene 10841 Human</a> <a href="#">O95954</a>
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. [provided by RefSeq, Dec 2009]

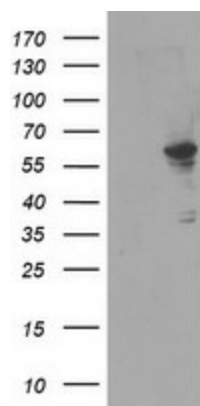


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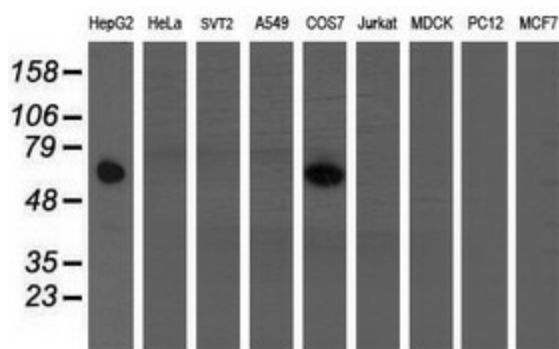
**Synonyms:** LCHC1

**Protein Pathways:** Histidine metabolism, Metabolic pathways, One carbon pool by folate

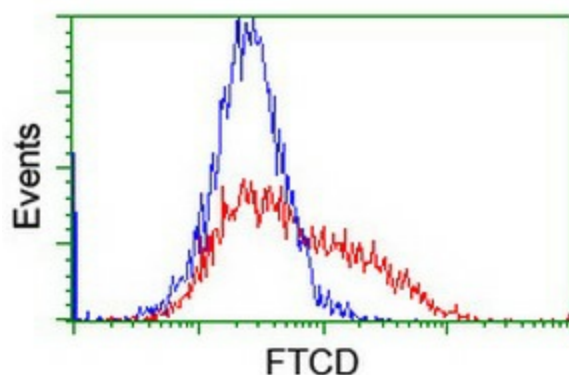
**Product images:**



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY FTCD ([RC208573], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-FTCD. Positive lysates [LY416500] (100ug) and [LC416500] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-FTCD monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



HEK293T cells transfected with either [RC208573] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-FTCD antibody ([TA504943]), and then analyzed by flow cytometry.