

Product datasheet for **UM500087CF**

FTCD Mouse Monoclonal Antibody [Clone ID: UMAB122]

Product data:

Product Type:	Primary Antibodies
Clone Name:	UMAB122
Applications:	IF, IHC, WB
Recommended Dilution:	IHC 1:100~200
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human FTCD(NP_006648) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
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:	NP_006648 Entrez Gene 10841 Human O95954



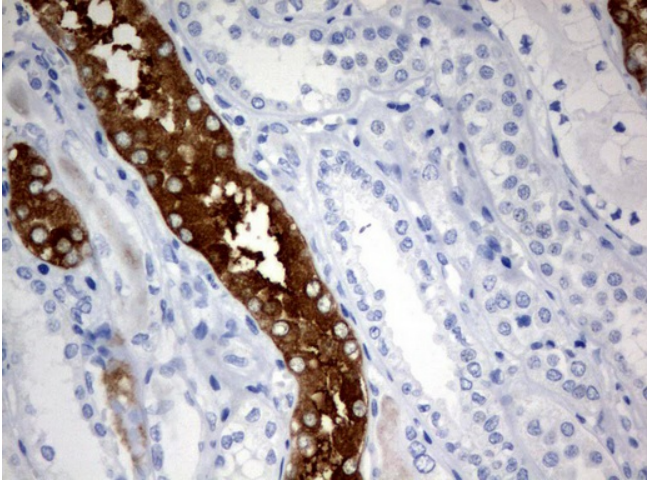
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Background: The protein encoded by this gene is a bifunctional enzyme that channels 1-carbon units from formiminoglutamate, a metabolite of the histidine degradation pathway, to the folate pool. Mutations in this gene are associated with glutamate formiminotransferase deficiency. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Dec 2009]

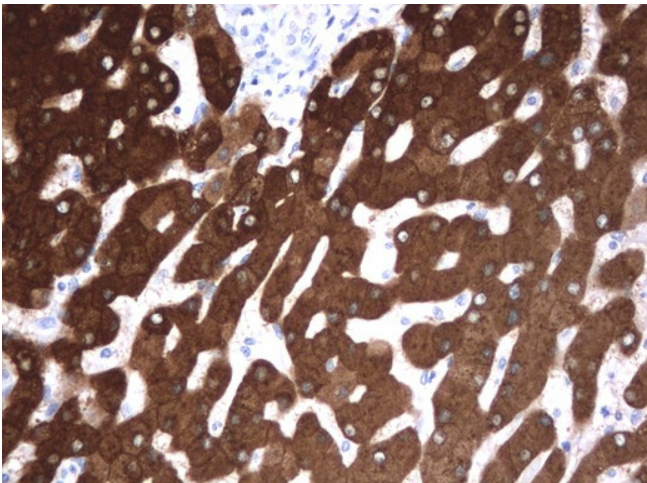
Synonyms: LCHC1

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

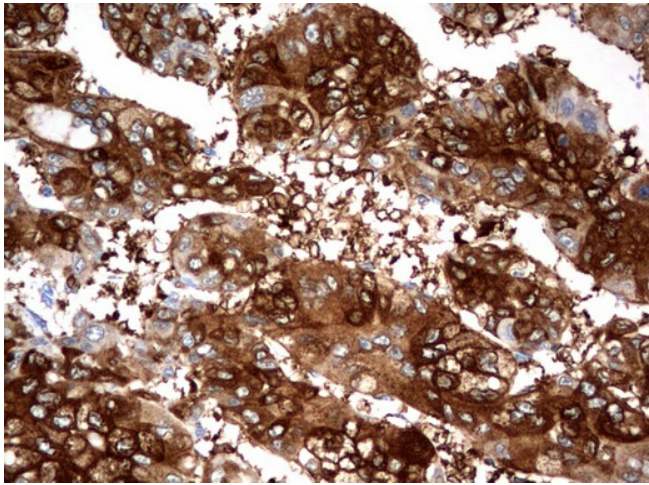
Product images:



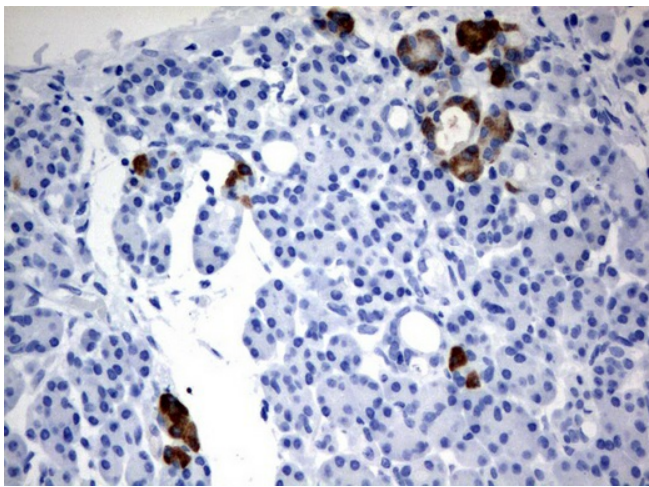
Immunohistochemical staining of paraffin-embedded Human Kidney tissue using anti-FTCD mouse monoclonal antibody. ([UM500087]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



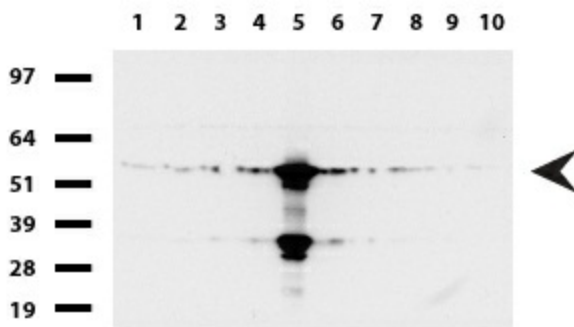
Immunohistochemical staining of paraffin-embedded Human liver tissue using anti-FTCD mouse monoclonal antibody. ([UM500087]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



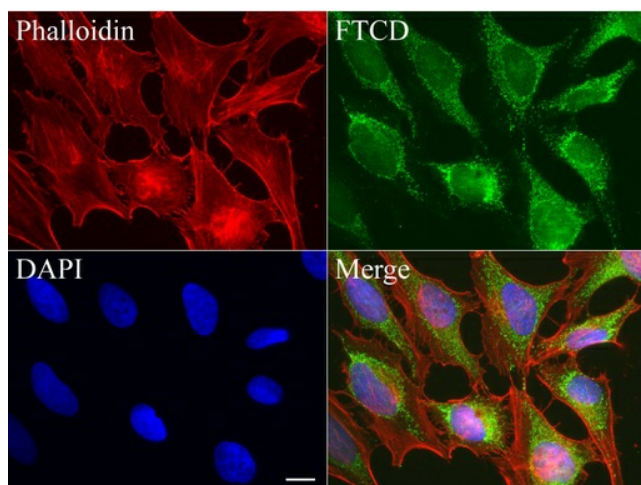
Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-FTCD mouse monoclonal antibody. ([UM500087]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



Immunohistochemical staining of paraffin-embedded Human pancreas tissue using anti-FTCD mouse monoclonal antibody. ([UM500087]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



Western blot of human tissue lysates (15ug) from 10 different tissues (1: Testis, 2: Omentum, 3: Uterus, 4: Breast, 5: Brain, 6: Liver, 7: Ovary, 8: Thyroid, 9: Colon, 10: Spleen). Dilution: 1:500.



Immunofluorescent staining of HeLa cells using anti-FTCD mouse monoclonal antibody ([UM500087], green, 1:50). Actin filaments were labeled with Alexa Fluor® 594 Phalloidin (red), and nuclear with DAPI (blue). Scale bar, 25µm.