Product datasheet for TA504943

FTCD Mouse Monoclonal Antibody [Clone ID: OTI7C5]

Product data:

Product Type: Primary Antibodies
Clone Name: OTI7C5
Applications: FC, WB
Recommend 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)
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 721818 Monkey Entrez Gene 10841 Human
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
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.