

# **Product datasheet for TA507070**

### OriGene Technologies, Inc.

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## MT (MCAT) Mouse Monoclonal Antibody [Clone ID: OTI2B7]

#### **Product data:**

**Product Type:** Primary Antibodies

Clone Name: OTI2B7
Applications: IF, WB

Recommended Dilution: WB 1:1000 -1:4000, IF 1:100

Reactivity: Human
Host: Mouse
Isotype: IgG2a

Clonality: Monoclonal

Immunogen: Full length human recombinant protein of human MCAT(NP\_775738) 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:** 40.6 kDa

**Gene Name:** malonyl-CoA-acyl carrier protein transacylase

Database Link: NP 775738

Entrez Gene 27349 Human

Q8IVS2

**Background:** The protein encoded by this gene is found exclusively in the mitochondrion, where it

catalyzes the transfer of a malonyl group from malonyl-CoA to the mitochondrial acyl carrier protein. The encoded protein may be part of a fatty acid synthase complex that is more like the type II prokaryotic and plastid complexes rather than the type I human cytosolic complex.

Alternative splicing results in multiple transcript variants encoding different isoforms.

[provided by RefSeq, Mar 2012]

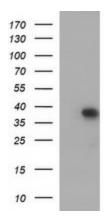




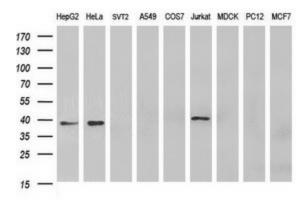
**Synonyms:** fabD; FASN2C; MCT; MT; NET62

**Protein Pathways:** Fatty acid biosynthesis, Metabolic pathways

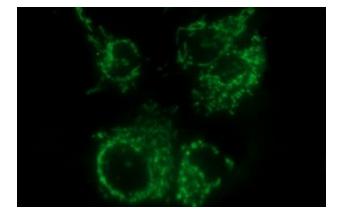
## **Product images:**



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY MCAT (Cat# [RC207943], 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-MCAT(Cat# TA507070). Positive lysates [LY406620] (100ug) and [LC406620] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-MCAT monoclonal antibody at 1:400 dilution (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



Immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY MCAT ([RC207943]) using Anti-MCAT mouse monoclonal antibody (TA507070) at 1:100 dilution.