

For Research Use Only

MCAT Polyclonal antibody

Catalog Number: 15536-1-AP



Basic Information

Catalog Number:

15536-1-AP

Size:

950 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7867

GenBank Accession Number:

BC042195

GeneID (NCBI):

27349

UNIPROT ID:

Q8IVS2

Full Name:

malonyl CoA:ACP acyltransferase
(mitochondrial)

Calculated MW:

43 kDa

Observed MW:

39 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HEK-293 cells, HL-60 cells, MCF-7 cells

IF/ICC : HepG2 cells,

Background Information

Malonyl-CoA-acyl carrier protein transacylase (MCAT), also known as MT, is an enzyme involved in mitochondrial fatty acid synthesis (mtFAS) and catalyzes the transfer of the malonyl moiety of malonyl-CoA to the mitochondrial acyl carrier protein (ACP) (PMID: 36881526). It has four coding exons and is transcribed into two isoforms by the alternative splicing of exon 3 (PMID: 33918393).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

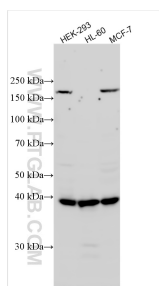
T: 4006900926

E: Proteintech-CN@ptglab.com

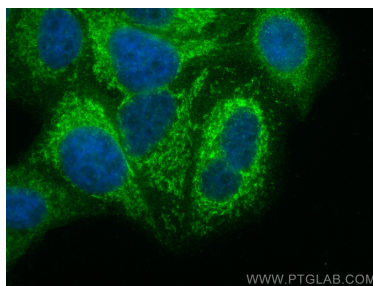
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 15536-1-AP (MCAT antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using MCAT antibody (15536-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).