

For Research Use Only

MCAT Polyclonal antibody

Catalog Number: 15536-1-AP



Basic Information

Catalog Number: 15536-1-AP	GenBank Accession Number: BC042195	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 950 ug/ml by Nanodrop;	GeneID (NCBI): 27349	Recommended Dilutions: WB 1:1000-1:4000 IF/ICC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q8IVS2	
Isotype: IgG	Full Name: malonyl CoA:ACP acyltransferase (mitochondrial)	
Immunogen Catalog Number: AG7867	Calculated MW: 43 kDa	
	Observed MW: 39 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	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

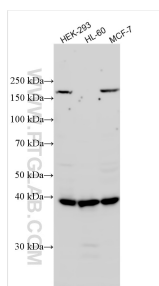
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

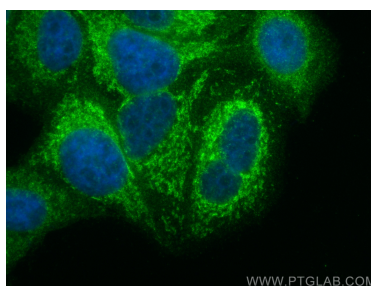
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



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).