

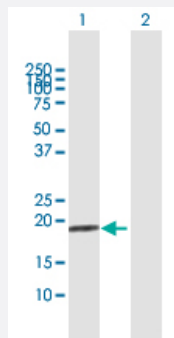
MaxPab®

MCAT MaxPab rabbit polyclonal antibody (D01)

Catalog # H00027349-D01

Size 100 uL

Applications

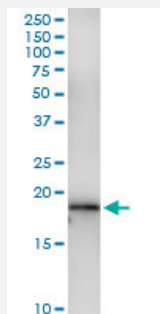


Western Blot (Transfected lysate)

Western Blot analysis of MCAT expression in transfected 293T cell line ([H00027349-T02](#)) by MCAT MaxPab polyclonal antibody.

Lane 1: MCAT transfected lysate(19.2 KDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of MCAT transfected lysate using anti-MCAT MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with MCAT MaxPab mouse polyclonal antibody (B01) ([H00027349-B01](#)).

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human MCAT protein.
Immunogen	MCAT (NP_055322.1, 1 a.a. ~ 180 a.a) full-length human protein.
Sequence	MSVRVARVAWVRGLGASYRRGASSFPVPPPGAQGVAEALLRDATGAEEEAPWAATERRMPGQC SVLLFPQGGSQVVGMGRLLNYPRVRELYAAARRVLGYDLLELSLHGPQETLDRTVHCQPAIFVA SLAAVEKLHHLQPSVIENCVAAAGFSVGEFAALVFAGAMEFAEGSTVSPEEFL
Host	Rabbit
Reactivity	Human

Interspecies Antigen Sequence	Mouse (74); Rat (73)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

- Immunoprecipitation

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[Protocol Download](#)

Gene Info — MCAT

Entrez GeneID	27349
GeneBank Accession#	NM_014507.2
Protein Accession#	NP_055322.1
Gene Name	MCAT
Gene Alias	FASN2C, MCT, MGC47838, MT, fabD
Gene Description	malonyl CoA:ACP acyltransferase (mitochondrial)
Gene Ontology	Hyperlink

Gene Summary

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. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

malonyl-CoA:acyl carrier protein transacylase, mitochondrial|mitochondrial malonyltransferase

Pathway

- [Fatty acid biosynthesis](#)
- [Metabolic pathways](#)

Disease

- [Disease Susceptibility](#)
- [Kidney Failure](#)
- [Prostatic Neoplasms](#)