

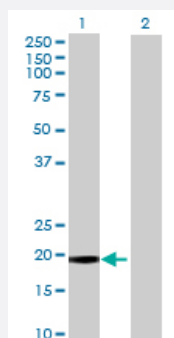
MaxPab®

MT MaxPab mouse polyclonal antibody (B01P)

Catalog # H00027349-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of MCAT expression in transfected 293T cell line ([H00027349-T01](#)) by MCAT MaxPab polyclonal antibody.

Lane1:MT transfected lysate(19.8 KDa).

Lane2:Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human MT protein.
Immunogen	MT (NP_055322.1, 1 a.a. ~ 180 a.a) full-length human protein.
Sequence	MSVRVARVAWVRGLGASYRRGASSFPVPPPGAQGVAE LLRDATGAEEEAPWAATERRMPGQC SVLLFPGQGSQVVGMGRLLNYPRVRELYAAARRVLGYDLLELSLHG PQETLDRTVHCQPAIFVA SLAAVEKLHHLQPSVIENCVAAAGFSVGEFAALVFAGAMEFAEGSTVSPEEFL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (74); Rat (73)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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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](#)