

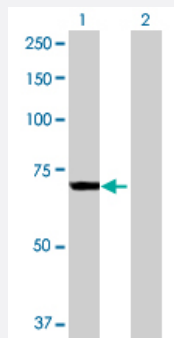
MaxPab®

CROT MaxPab mouse polyclonal antibody (B01)

Catalog # H00054677-B01

Size 50 uL

Applications



Western Blot (Transfected lysate)

Western Blot analysis of CROT expression in transfected 293T cell line ([H00054677-T01](#)) by CROT MaxPab polyclonal antibody.

Lane 1: CROT transfected lysate(67.32 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human CROT protein.

Immunogen

CROT (NP_066974.2, 1 a.a. ~ 612 a.a) full-length human protein.

Sequence

MENQLAKSTEERTFQYQDSLPSLPVPSLEESLKKYLESVKPFANQEEYKKTEEVQKFQSGIGEKL
HQLLLERAKGKRNLWLEEWLNVAYLDVRIPSQLNVNFAGPAAHFEHYWPPKEGTQLERGSITLW
HNLNYWQLLRKEKVPVHKVGNTPLDMNQFRMLFSTCKVPGITRDSIMNYFRTESEGRSPNHIVL
CRGRAVFVDVIHEGCLVTPPELLRQLTYHKKCHSEPDGPGIAALTSEERTRWAKAREYLIGLDPE
NLALLEKIQSSLLVYSMEDSSPHVTPEDYSEIIAAILIGDPTVRWGDKSYNLISFSNGVFGCNCNHAP
FDAMIMVNISYYVDEKIFQNEGRWKGSEKVRDIPLEELIFVDEKVLNDINQAKAQYLREASDLQIA
AYAFTSFGKKLTKNKMLHPDTFIQLALQLAYYRLHGHPGCCYETAMTRHFYHGRTEIMRSCTVEAV
RWCQSMQDPSVNLRRERQQKMLQAFKHNKMMKDCSAGKGFDRHLLGLLLIAKEEGLPVPELFT
DPLFSKSGGGGNFVLSTSLVGYLRVQGVVPMVHNGYGGFFYHIRDDRFFVACSAWKSCPETDA
EKLVLQLTFCFHDMIQLMNSTHL

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence

Mouse (85); Rat (84)

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.
Note	For IHC and IF applications, antibody purification with Protein A will be needed prior to use.

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[Protocol Download](#)

Gene Info — CROT

Entrez GeneID	54677
GeneBank Accession#	NM_021151.2
Protein Accession#	NP_066974.2
Gene Name	CROT
Gene Alias	COT
Gene Description	carnitine O-octanoyltransferase
Omim ID	606090
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the carnitine/choline acetyltransferase family. The encoded prote in converts 4,8-dimethylnonanoyl-CoA to its corresponding carnitine ester. This transesterification occurs in the peroxisome and is necessary for transport of medium- and long- chain acyl-CoA mol ecules out of the peroxisome to the cytosol and mitochondria. The protein thus plays a role in lipid metabolism and fatty acid beta-oxidation. Alternatively spliced transcript variants have been descr ibed
Other Designations	peroxisomal carnitine O-octanoyltransferase peroxisomal carnitine acyltransferase peroxisomal c arnitine octanoyltransferase

Disease

- [Tobacco Use Disorder](#)