

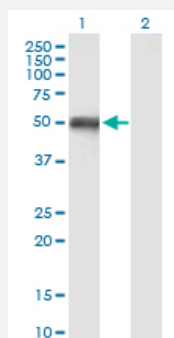
MaxPab®

OXCT1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00005019-B01P

Size 50 ug

Applications

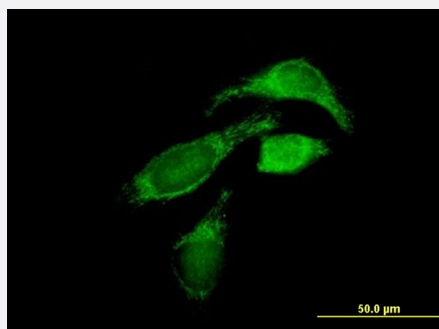


Western Blot (Transfected lysate)

Western Blot analysis of OXCT1 expression in transfected 293T cell line ([H00005019-T01](#)) by OXCT1 MaxPab polyclonal antibody.

Lane 1: OXCT1 transfected lysate (57.2 KDa).

Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to OXCT1 on HeLa cell. [antibody concentration 10 ug/ml]

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human OXCT1 protein.

Immunogen

OXCT1 (NP_000427.1, 1 a.a. ~ 520 a.a) full-length human protein.

Sequence

MAALKLLSSGLRLCASARGSGATWYKGCVCSFSTSAHRHTKFYTD PVEAVKDIPDGATVLVGGF
GLCGIPENLIDALLKTGVKGLTAVSNNAGVDNFG LGLLLRSKQIKRMVSSYGENAEFERQYLSGE
LEVELTPQGTLAERIRAGGAGVPAFYTPTGYGTLVQEGGSP IKYNKDGSVAIASKPREVREFNGQH
FILEEAITGDFALVKAWKADRAGNVIFRKSARNFN LPMCKAAETTVEVEEVDIGAFAPEDIHIPQY
VHRLIKGEKEYEKRIERLSIRKEGDGEAKSAKPGDDVRERI I KRAALEFEDGMYANLGIGIPLLASNFI
PNITVHLQSENGVLGLGPYP RQHEADADLINAGKETVTILPGASFFSSDES FAMIRGGHVDLTMLG
AMQVSKYGD LANWMIPGKMVKMGMGAMD LVSSAKTKVVVTMEHSAKGN AHKIMEKCTLPLTGK
QCVNRIITEKAVFDVDKKKGLTLIELWEGLTVDDVQKSTGCDFAVSPKLM PMQQIAN

Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (92); Rat (92)
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](#)

- Immunofluorescence

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Gene Info — OXCT1

Entrez GeneID	5019
GeneBank Accession#	NM_000436.3
Protein Accession#	NP_000427.1
Gene Name	OXCT1
Gene Alias	OXCT, SCOT
Gene Description	3-oxoacid CoA transferase 1
Omim ID	245050 601424
Gene Ontology	Hyperlink

Gene Summary

This gene encodes a member of the 3-oxoacid CoA-transferase gene family. The encoded protein is a homodimeric mitochondrial matrix enzyme that plays a central role in extrahepatic ketone body catabolism by catalyzing the reversible transfer of coenzyme A from succinyl-CoA to acetoacetate. Mutations in this gene are associated with succinyl CoA:3-oxoacid CoA transferase deficiency. [provided by RefSeq]

Other Designations

succinyl CoA:3-oxoacid CoA transferase|succinyl-CoA:3-ketoacid-CoA transferase

Pathway

- [Butanoate metabolism](#)
- [Synthesis and degradation of ketone bodies](#)
- [Valine](#)