

OXCT1 rabbit monoclonal antibody

Catalog # H00005019-K Size 100 ug x up to 3

Specification

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| Product Description | Rabbit monoclonal antibody raised against a human OXCT1 peptide using ARM Technology. |
| Immunogen | A synthetic peptide of human OXCT1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence. |
| Host | Rabbit |
| Library Construction | Non-fusion antibody library from rabbit spleen (ARM Technology). |
| Expression | Overexpression vector and transfection into 293H cell line. |
| Reactivity | Human |
| Purification | Protein A |
| Isotype | IgG |
| Quality Control Testing | Antibody reactive against human OXCT1 peptide by ELISA and mammalian transfected lysate by Western Blot. |
| Storage Buffer | In 1x PBS, pH 7.4 |
| Storage Instruction | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |
| Deliverable | Up to three rabbit IgG clones of 100 ug each will be delivered to customer. |
| Note | 1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request. |

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — OXCT1

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| Entrez GeneID | 5019 |
| GeneBank Accession# | OXCT1 |
| 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 acetoac etate. 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](#)