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Produktinformation



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0


F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

| | |
|------------------------------|--|
| Product Number | ARP58648_P050-FITC |
| Product Page | www.avivasysbio.com/ogdh-antibody-n-terminal-region-fitc-arp58648-p050-fitc.html |
| Name | OGDH Antibody - N-terminal region : FITC (ARP58648_P050-FITC) |
| Protein Size (# AA) | 427 amino acids |
| Molecular Weight | 47kDa |
| Conjugation | FITC: Fluorescein Isothiocyanate |
| NCBI Gene Id | 4967 |
| Host | Rabbit |
| Clonality | Polyclonal |
| Concentration | 0.5 mg/ml |
| Gene Full Name | Oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide) |
| Alias Symbols | E1k, KGD1, OGDC, AKGDH, OGDH2 |
| Peptide Sequence | Synthetic peptide located within the following region: MFHLRTCAAKLRPLTASQTVKTFESQNRPAARTFQQIRCYSAPVAAEPFL |
| Product Format | Liquid. Purified antibody supplied in 1x PBS buffer. |
| Reference | van (2007) Am. J. Med. Genet. A 143 (7), 763-767 |
| Description of Target | The 2-oxoglutarate dehydrogenase complex catalyzes the overall conversion of 2-oxoglutarate to succinyl-CoA and CO ₂ . It contains multiple copies of three enzymatic components: 2-oxoglutarate dehydrogenase (E1), dihydrolipoamide succinyltransferase (E2) and lipoamide dehydrogenase (E3). This gene encodes one subunit of the 2-oxoglutarate dehydrogenase complex. This complex catalyzes the overall conversion of 2-oxoglutarate (alpha-ketoglutarate) to succinyl-CoA and CO ₂ during the Krebs cycle. The protein is located in the mitochondrial matrix and uses thiamine pyrophosphate as a cofactor. A congenital deficiency in 2-oxoglutarate dehydrogenase activity is believed to lead to hypotonia, metabolic acidosis, and hyperlactatemia. |
| Protein Interactions | MDM2; UBC; SUMO1; NEDD8; CPSF7; MRPL38; MRPL41; TSR1; MRPS2; MRPL15; MRPL13; SCFD1; PDHX; SSBP1; SUMO2; PDHB; PDHA1; DLST; DLAT; DHODH; ISG15; USP13; PLSCR1; DLD; |
| Reconstitution and Storage | All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding. |
| Datasheets/Manuals | Printable datasheet for anti-OGDH (ARP58648_P050-FITC) antibody |
| Blocking Peptide | For anti-OGDH (ARP58648_P050-FITC) antibody is Catalog# AAP58648 (Previous Catalog# AAPP35785) |
| Immunogen | The immunogen is a synthetic peptide directed towards the N terminal region of human OGDH |
| Uniprot ID | Q96DD3 |
| Protein Name | 2-oxoglutarate dehydrogenase, mitochondrial |
| Protein Accession # | NP_001003941 |
| Purification | Affinity Purified |
| Nucleotide Accession # | NM_001003941 |
| Gene Symbol | OGDH |
| Predicted Species Reactivity | Human, Mouse, Rat, Cow, Guinea Pig, Horse, Rabbit |
| Application | WB |

| | |
|---|---|
| Predicted Homology Based on Immunogen Sequence | Cow: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 93%; Rabbit: 93%; Rat: 93% |
| Image 1 |  |

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.
Optimal conditions of its use should be determined by end users.

AVIVA SYSTEMS BIOLOGY
6370 Nancy Ridge Dr., Suite 104, San Diego, CA 92121 USA | Tel: (858)552-6979 | info@avivasysbio.com