

DNAxPAb

Hard-to-Find
Antibody

OGDH DNAxPab

Catalog # H00004967-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human OGDH DNA using DNAx™ Immune technology.

Technology [DNAx™ Immune](#)

Immunogen Full-length human DNA

Sequence

MFHLRTCAAKLRPLTASQTVKTF SQNRPA AARTFQQIRCYSAPVAAEPFLSGTSSNYVEEMYCA
WLENPKSVHKSWDIFFRNTNAGAPPGTAYQSPLPLSRGSLAAVAHAQSLVEAQPNDKLVEDHL
AVQSLIRAYQIRGHHVAQLDPLGILDADLDSSVPADIISSTDKLGFGYGLDESDLDKVFHLP TTTFIGG
QESALPLREIIRRELMAYCQHIGVEFMFINDLEQCQWIRQKFETPGIMQFTNEEKRTLLARLVRSTRF
EEFLQRKWSSEKRFGLGCEVLIPALKTIIDKSSENGVDYVIMGMPHRGRLNVLANVIRKELEQIFC
QFDSKLEAADEGSGDVKYHLGMYHRRINRVTDNRITLSLVANPSHLEAADPVVMGKTKAEQFYCG
DTEGKKVMSILLHGDAAFAGQGIVYETFHLSDLPSYTHGTVHVVVNNQIGFTTDPRMARSSPYPT
DVARVVNAPIFHVNSDDPEAVMYVCKVAAEWRSTFHKDVVVDLV CYRRNGHNEMDEPMFTQPL
MYKQIRKQKPV LQKYAELLVSQGVVNQPEYEEEISKYDKICEEAFARSKDEKILHIKHWLDSPWPG
FFTLDGQPRSMSCPSTGLTEDILTHIGNVASSVPVENFTIHGGLSRILKTRGEMVKNRTVDWALAE
YMAFGSLLKEGIHRLSGQDVERGTFSHRHHVLHDQNVDKRTCIPMNLWPNQAPYTV CNSSLSE
YGV LGFELGFAMASPNALVLWEAQFGDFHNTAQCIIDQFICPGQAKWVRQNGVLLLPHGMEGMG
PEHSSARPERFLQMCNDPDVLPDLKEANFDINQLYDCNWWVVNCSTPGNFFHVLRRQILLPFR
KPLIIFTPKSLLRHPEARSSFDEMLPGTHFQRVIPEDGPAAQNPENVKRLLFCTGKVYYDLTRERK
ARDMVGQVAITRIEQLSPFPDLLLLKEVQKYPNAELAWCQEEHKNQGYDYVKPRLRTTISRAPV
WYAGRDPAAAPATGNKKTHLTELRLLDTAFDLDFVKNFS

Host Rabbit

Reactivity Human

Purification Protein A

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.

Applications

- Western Blot (Transfected lysate)
[Protocol Download](#)
- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — OGDH

Entrez GeneID	4967
GeneBank Accession#	EU176648.1
Protein Accession#	ABW03449.1
Gene Name	OGDH
Gene Alias	AKGDH, E1k, OGDC
Gene Description	oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide)
Omim ID	203740
Gene Ontology	Hyperlink
Gene Summary	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. Alternative splicing results in multiple transcript variants encoding distinct isoforms
Other Designations	2-oxoglutarate dehydrogenase[H_DJ0691F11_gi16307008.sp_cds.1 oxoglutarate decarboxylase' oxoglutarate dehydrogenase (lipoamide) oxoglutarate dehydrogenase (succinyl-transferring)

Pathway

- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Biosynthesis of alkaloids derived from ornithine](#)

- [Biosynthesis of alkaloids derived from shikimate pathway](#)
- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of phenylpropanoids](#)
- [Biosynthesis of plant hormones](#)
- [Biosynthesis of terpenoids and steroids](#)
- [Citrate cycle \(TCA cycle\)](#)
- [Lysine degradation](#)
- [Metabolic pathways](#)
- [Tryptophan metabolism](#)