

Rabbit OGDH Polyclonal Antibody | anti-OGDH antibody

OGDH antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200840	Rabbit	Cow, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat	Western Blot

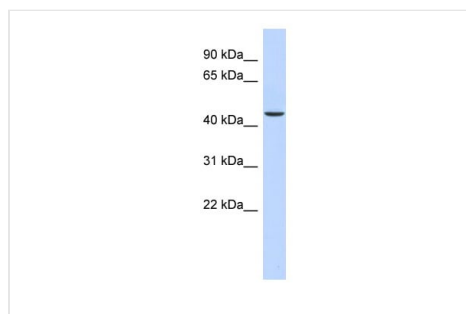
PRODUCT SYNONYMS

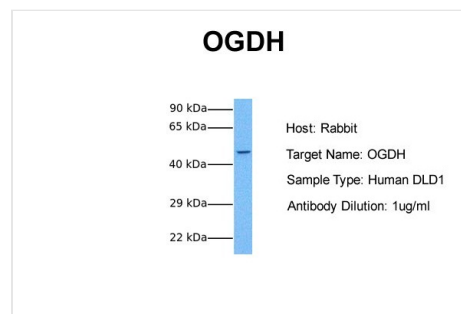
OGDH; Polyclonal Antibody; OGDH antibody - N-terminal region; anti-OGDH antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: MFHLRTCAAKLRPLTASQTVKTFSQNRPAAR TFQQIRCYSAPVAAEPFL
Sequence Length	427
Applicable Applications for anti-OGDH antibody	WB (Western Blot)
Homology	Cow: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 93%; Rabbit: 93%; Rat: 93%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human OGDH
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

WB Suggested Anti-OGDH Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:12500
Positive Control: Human Liver

WB (Western Blot)

Host: Rabbit
Target Name: OGDH
Sample Tissue: Human DLD1
Antibody Dilution: 1.0ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-OGDH antibody	This is a rabbit polyclonal antibody against OGDH. It was validated on Western Blot using a cell lysate as a positive control. Target Description: The 2-oxoglutarate dehydrogenase complex catalyzes the overall conversion of 2-oxoglutarate to succinyl-CoA and CO2. 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.
Product Categories/Family for anti-OGDH antibody	Polyclonal; Drugs and Drug Metabolism; Various; E3 & Ubiquitin

NCBI AND UNIPROT INFORMATION

NCBI GI #	51873038
NCBI GeneID	4967
NCBI Accession #	NP_001003941
NCBI GenBank Nucleotide #	NM_001003941
UniProt Accession #	Q96DD3; Q02218
Molecular Weight	47kDa
NCBI Official Full Name	2-oxoglutarate dehydrogenase, mitochondrial isoform 2
NCBI Official Synonym Full Names	oxoglutarate dehydrogenase
NCBI Official Symbol	OGDH
NCBI Official Synonym Symbols	E1k; OGDC; AKGDH
NCBI Protein Information	2-oxoglutarate dehydrogenase, mitochondrial

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ogdh-antibody-western-blot-elisa/200840>