

Rabbit anti-Human OGDH Monoclonal Antibody | anti-OGDH antibody

OGDH Rabbit mAb

CATALOG # AAA282937	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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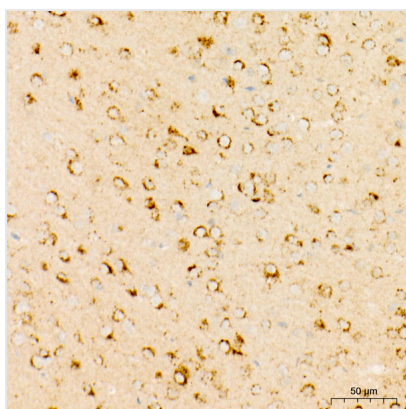
PRODUCT SYNONYMS

OGDH; Monoclonal Antibody; OGDH Rabbit mAb; E1k; E1o; KGD1; OGDC; AKGDH; OGDH2; OGDHD; OGDH-E1; anti-OGDH antibody

PRODUCT SPECIFICATIONS

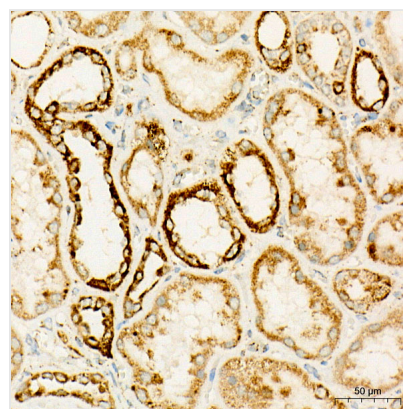
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	RSSFDEMLPG THFQRVIPED GPAAQNPENV KRLLFCTGKV YYDLTRERKA RDMVGQVAIT RIEQLSPFPF DLLLKEVQKY PNAELAWCQE EHKNQGYDY VKPRLRTTIS RAKPVWYAGR DPAAAPATGN KKTHLTELQR LLDTAFDLDV FKNFS
Applicable Applications for anti-OGDH antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 869-1023 of human OGDH (NP_002532.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



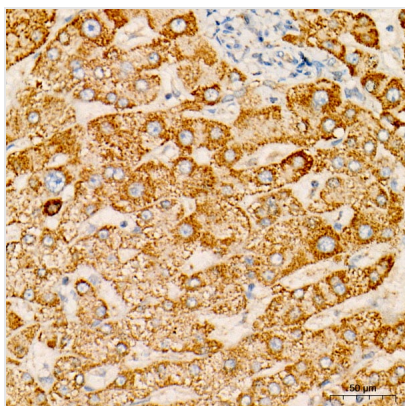
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using OGDH Rabbit mAb (AAA282937) at a dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



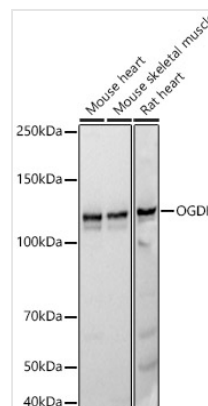
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using OGDH Rabbit mAb (AAA282937) at a dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



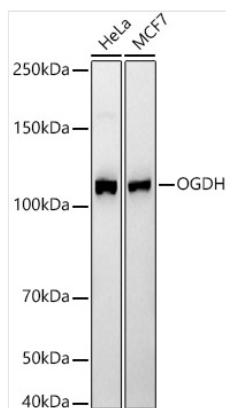
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human liver tissue using OGDH Rabbit mAb (AAA282937) at a dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



WB (Western Blot)

Western blot analysis of various lysates, using OGDH Rabbit mAb (AAA282937) at 1:2000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 20s.



WB (Western Blot)

Western blot analysis of various lysates, using OGDH Rabbit mAb (AAA282937) at 1:2000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 20s.

ADDITIONAL INFORMATION

Related Product Information for anti-OGDH antibody

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 CO₂ 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.

Product Categories/Family for anti-OGDH antibody

Cancer; Signal Transduction; Endocrine Metabolism; Mitochondrial metabolism; Mitochondrial markers; Lipid Metabolism; Cardiovascular; Lipids; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	160332299
NCBI GeneID	4967
UniProt Accession #	Q02218; Q96DD3; Q9UDX0; B4E2U9; D3DVL0; E9PBM1
Molecular Weight	Calculated MW: 116kDa Observed MW: 116kDa
UniProt Protein Name	2-oxoglutarate dehydrogenase, mitochondrial
UniProt Gene Name	OGDH

UniProt Synonym Gene Names	OGDC-E1
UniProt Entry Name	ODO1_HUMAN

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/monoclonal/ogdh-antibody-immunohistochemistry-western-blot-elisa/282937>