

Rabbit OGDH Polyclonal Antibody | anti-OGDH antibody

OGDH Antibody

CATALOG # AAA322952	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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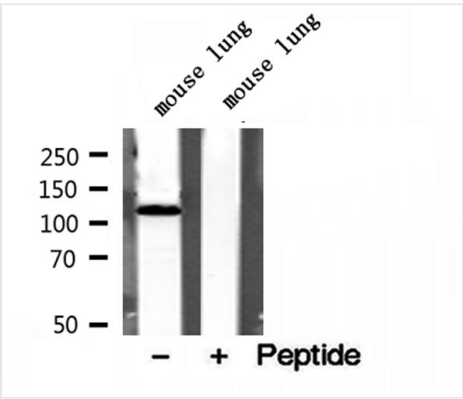
PRODUCT SYNONYMS

OGDH; Polyclonal Antibody; OGDH Antibody; 2 oxoglutarate dehydrogenase; 2 oxoglutarate dehydrogenase complex component E1; 2 oxoglutarate dehydrogenase mitochondrial; 2-oxoglutarate dehydrogenase; 2-oxoglutarate dehydrogenase complex component E1; AKGDH; Alpha ketoglutarate dehydrogenase; Alpha-ketoglutarate dehydrogenase; E1k; mitochondrial; ODO1_HUMAN; OGDC; OGDC E1; OGDC-E1; Oxoglutarate (alpha ketoglutarate) dehydrogenase (lipoamide); Oxoglutarate decarboxylase; Oxoglutarate dehydrogenase (lipoamide); Oxoglutarate dehydrogenase (succinyl transferring); anti-OGDH antibody

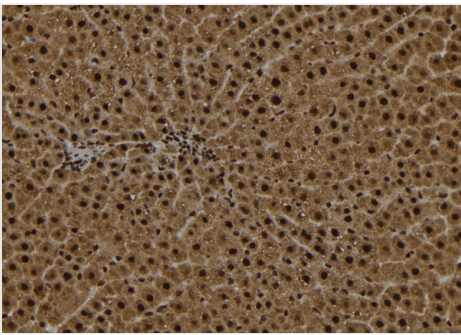
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	OGDH antibody detects endogenous levels of OGDH.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	427
Applicable Applications for anti-OGDH antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human OGDH.
Subcellular Location	Mitochondrion Matrix.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts of mouse lung tissue, using OGDH antibody.



IHC (Immunohistochemistry)
AAA322952 at 1/100 staining Rat liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-OGDH antibody	Function: 2-oxoglutarate dehydrogenase (E1) component of the 2-oxoglutarate dehydrogenase complex, which mediates the decarboxylation of alpha-ketoglutarate (PubMed:24495017). The 2-oxoglutarate dehydrogenase complex catalyzes the overall conversion of 2-oxoglutarate to succinyl-CoA and CO2 (PubMed:24495017). The 2-oxoglutarate dehydrogenase complex is mainly active in the mitochondrion (PubMed:29211711). A fraction of the 2-oxoglutarate dehydrogenase complex also localizes in the nucleus and is required for lysine succinylation of histones: associates with KAT2A on chromatin and provides succinyl-CoA to histone succinyltransferase KAT2A (PubMed:29211711). Subunit Structure: The 2-oxoglutarate dehydrogenase complex is composed of OGDH (2-oxoglutarate dehydrogenase; E1), DLST (dihydrolipoamide succinyltransferase; E2) and DLD (dihydrolipoamide dehydrogenase; E3). It contains multiple copies of the three enzymatic components (E1, E2 and E3). In the nucleus, the 2-oxoglutarate dehydrogenase complex associates with KAT2A (PubMed:29211711). Similarity: Belongs to the alpha-ketoglutarate dehydrogenase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	51873038
NCBI GeneID	4967
NCBI Accession #	NP_001003941.1
NCBI GenBank Nucleotide #	NM_001003941.2
UniProt Accession #	Q02218; Q96DD3; Q9UDX0; B4E2U9; D3DVL0; E9PBM1
Molecular Weight	Observed: 116 kDa Predicted: 116 kDa
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
UniProt Protein Name	2-oxoglutarate dehydrogenase, mitochondrial
UniProt Gene Name	OGDH
UniProt Synonym Gene Names	OGDC-E1

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://www.aaabiotech.com/polyclonal/ogdh-antibody-immunohistochemistry-western-blot-elisa/322952>