

Rabbit OGDH Polyclonal Antibody | anti-OGDH antibody

OGDH Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA174170	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

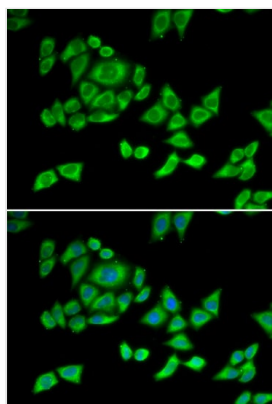
PRODUCT SYNONYMS

OGDH; Polyclonal Antibody; OGDH Polyclonal 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; OGDC; OGDC E1; OGDC-E1; Oxoglutarate (alpha ketoglutarate) dehydrogenase (lipoamide); Oxoglutarate decarboxylase; Oxoglutarate dehydrogenase (lipoamide); Oxoglutarate dehydrogenase (succinyl transferring); anti-OGDH antibody

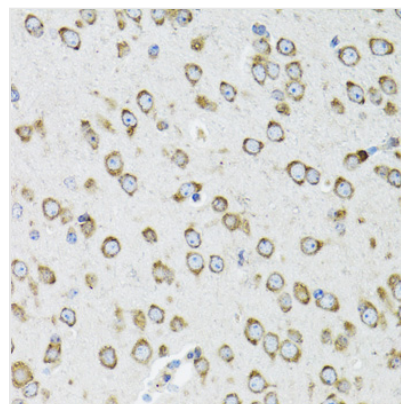
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Concentration	1 mg/mL (varies by lot)
Sequence Length	1,019
Applicable Applications for anti-OGDH antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human OGDH
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

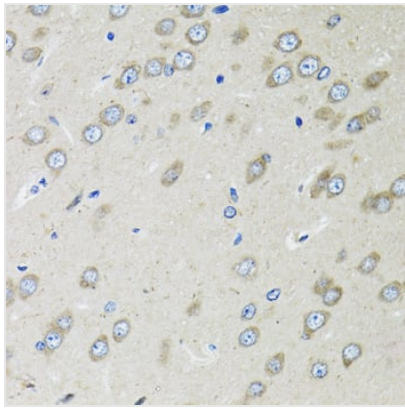
IMAGES


IF (Immunofluorescence)

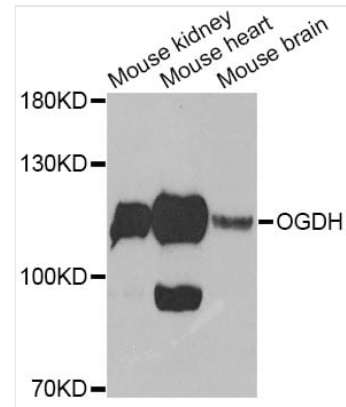
Immunofluorescence analysis of U2OS cells using OGDH antibody.


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse brain using OGDH antibody.



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded rat brain using OGDH antibody.



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using OGDH Antibody.

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 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.
Product Categories/Family for anti-OGDH antibody	Cancer; Cardiovascular; Metabolism; Signal transduction

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	Calculated: 48kDa; 115kDa Observed: 116kDa
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/ogdh-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/174170>