Product Datasheet

OGDH Polyclonal Antibody

Catalog No: #29113

Package Size: #29113-1 50ul #29113-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

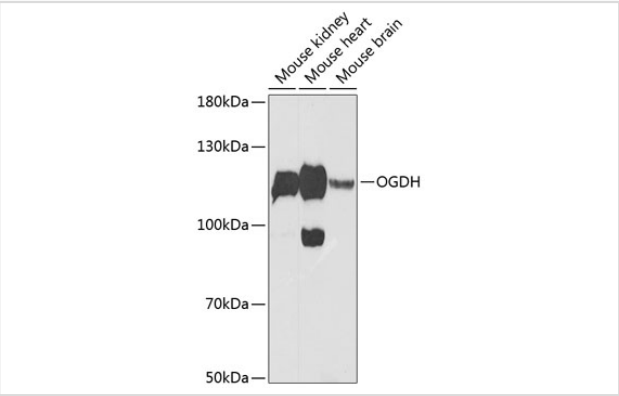
Description

Product Name	OGDH Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human OGDH (NP_001003941.1).
Other Names	OGDH;AKGDH;E1k;OGDC
Accession No.	GeneID:4967Swiss Prot:Q02218
Calculated MW	48kDa/115kDa
SDS-PAGE MW	116kDa
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 220% glycerol.
Storage	Store at -20°C. Avoid freeze / thaw cycles.|Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.173.

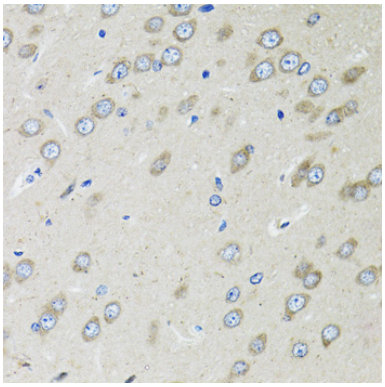
Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:200IF□1:50 - 1:200

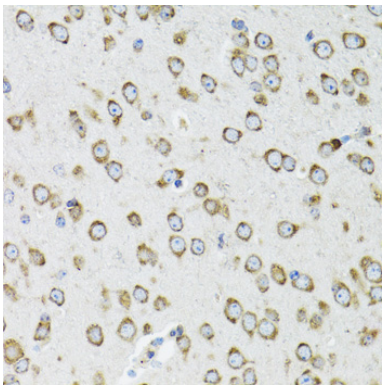
Images



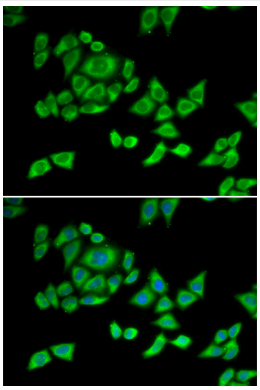
Western blot analysis of extracts of various cell lines, using OGDH Antibody at 1:1000 dilution.



Immunohistochemistry of paraffin-embedded rat brain using OGDH antibody at dilution of 1:100 .



Immunohistochemistry of paraffin-embedded mouse brain using OGDH antibody at dilution of 1:100 .



Immunofluorescence analysis of U2OS cells using OGDH antibody . Blue: DAPI for nuclear staining.

Background

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.