

OGDH Polyclonal Antibody

Catalog No. E-AB-61926

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein of human OGDH (NP_001003941.1).
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

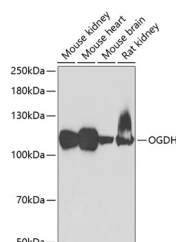
Applications Recommended Dilution

WB 1:500-1:2000 IHC

1:50-1:200 IF

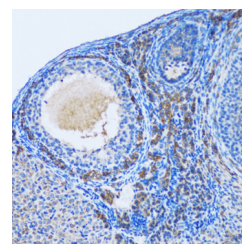
1:10-1:100

Data

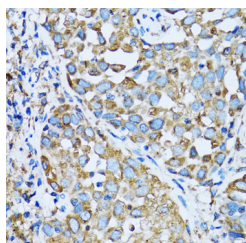


Western blot analysis of extracts of various cell lines using OGDH Polyclonal Antibody at dilution of 1:1000.

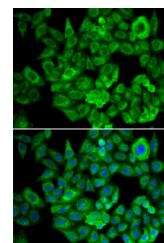
Observed Mw:116kDa
Calculated Mw:48kDa/115kDa



Immunohistochemistry of paraffin-embedded Rat ovary using OGDH Polyclonal Antibody at dilution of 1:100 (20x lens).



Immunohistochemistry of paraffin-embedded Human lung cancer using OGDH Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunofluorescence analysis of U2OS cells using OGDH Polyclonal Antibody

Preparation & Storage

For Research Use Only

Storage Store at -20°C. Avoid freeze / thaw cycles.

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 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.

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