

OGDH Rabbit Polyclonal Antibody



CAB6391

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

116kDa

Calculated MW:

48kDa/115kDa

Applications:

WB IHC IF

Reactivity:

Human, Mouse, Rat

Protein 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.

Immunogen information

Gene ID:

4967

Uniprot

Q02218

Synonyms:

OGDH; AKGDH; E1k; OGDC

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50
- 1:200 IF 1:10 - 1:100

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

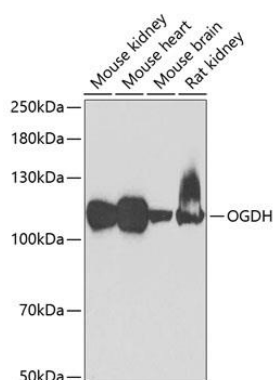
Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 148-427 of human OGDH (NP_001003941.1).

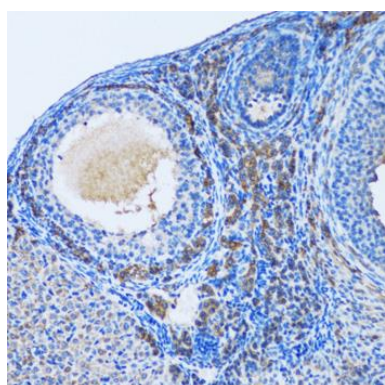
Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

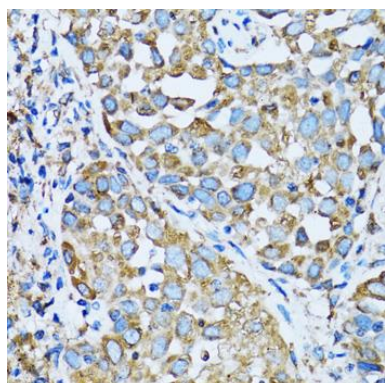
Product Images



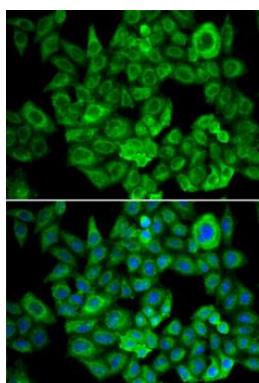
Western blot analysis of extracts of various cell lines, using OGDH antibody (CAB6391) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (CABM00021). Exposure time: 90s.



Immunohistochemistry of paraffin-embedded rat ovary using OGDH antibody (CAB6391) at dilution of 1:100 (20x lens).



Immunohistochemistry of paraffin-embedded human lung cancer using OGDH antibody (CAB6391) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of U2OS cells using OGDH antibody (CAB6391). Blue: DAPI for nuclear staining.