

## OGDH

**Reactivity:** Human Mouse Rat

**Tested applications:** WB IHC IF

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

**Calculated MW:** 115kDa

**Observed MW:** Refer to Figures

**Immunogen:**

Recombinant protein of human OGDH

**Storage Buffer:**

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

**Synonym:**

E1k; OGDC; AKGDH;

**Catalog #:** A6391

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 4967

**Isotype:** IgG

**Swiss Prot:** Q02218

**Purity:** Affinity purification

For research use only.

**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<sub>2</sub> 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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