

## PDK4

**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:**46kDa

**Observed MW:**Refer to Figures

**Immunogen:**

A synthetic peptide of human PDK4

**Storage Buffer:**

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

**Synonym:**

pyruvate dehydrogenase kinase; isozyme 4

**Catalog #:**A3069

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**5166

**Isotype:**IgG

**Swiss Prot:**Q16654

**Purity:**Affinity purification

For research use only.

**Background:**

This gene is a member of the PDK/BCKDK protein kinase family and encodes a mitochondrial protein with a histidine kinase domain. This protein is located in the matrix of the mitochondria and inhibits the pyruvate dehydrogenase complex by phosphorylating one of its subunits, thereby contributing to the regulation of glucose metabolism. Expression of this gene is regulated by glucocorticoids, retinoic acid and insulin.

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