

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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