

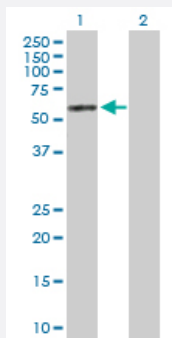
MaxPab®

PDK4 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00005166-D01P

Size 100 ug

Applications

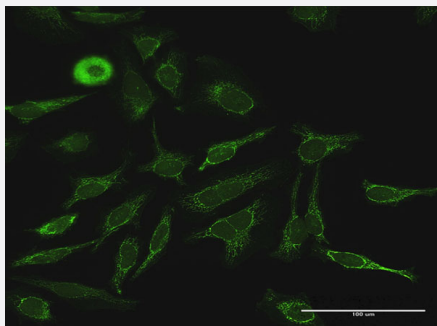


Western Blot (Transfected lysate)

Western Blot analysis of PDK4 expression in transfected 293T cell line ([H00005166-T03](#)) by PDK4 MaxPab polyclonal antibody.

Lane 1: PDK4 transfected lysate(46.50 KDa).

Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to PDK4 on HeLa cell. [antibody concentration 10 ug/ml]

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human PDK4 protein.

Immunogen

PDK4 (NP_002603.1, 1 a.a. ~ 411 a.a) full-length human protein.

Sequence

MKAARFVLRSAAGSLNGAGLVPREVEHFSRYSPSPLSMKQLLDGSENACERTSFAFLRQELPVR
LANILKEIDILPTQLVNTSSVQLVKSWYQSLMDLVEFHEKSPDDQKALSDFVDTLIKVRNRHHNVV
PTMAQGIIIEYKDACTVDPVTNQNLQYFLDRFYMNRISTRMLMNQHILIFSDSQTGNPSHIGSIDPNCD
VVAVVQDAFECRMLCDQYYLSSPELKLTVNGKFPDQPIHVYVPSHLHHMLFELFKNAMRATV
EHQENQPSLTPIEVIVLGKEDLTIKISDRGGGVPLRIIDRLFSYTYSTAPTPVMDNSRNAPLAGFGY
GLPISRLYAKYFQGDNLNLYSLSGYGTDAIYMLKALSSSEIEKLPVFNKSFAFKHYQMSSEADDWCIPSR
EPKNLAKEVAM

Host	Rabbit
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

- Immunofluorescence

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Gene Info — PDK4

Entrez GeneID	5166
GeneBank Accession#	NM_002612
Protein Accession#	NP_002603.1
Gene Name	PDK4
Gene Alias	FLJ40832
Gene Description	pyruvate dehydrogenase kinase, isozyme 4
Omim ID	602527
Gene Ontology	Hyperlink

Gene Summary

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. [provided by RefSeq]

Other Designations

pyruvate dehydrogenase kinase 4|pyruvate dehydrogenase kinase, isoenzyme 4

Disease

- [Diabetes Mellitus](#)