

Rabbit PDK1 Polyclonal Antibody | anti-PDK1 antibody

PDK1 Polyclonal Antibody

CATALOG # AAA295571	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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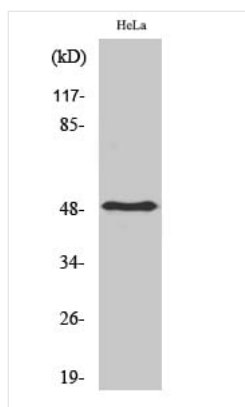
PRODUCT SYNONYMS

PDK1; Polyclonal Antibody; PDK1 Polyclonal Antibody; PDHK1; [Pyruvate dehydrogenase [lipoamide]] kinase isozyme 1; mitochondrial; Pyruvate dehydrogenase kinase isoform 1; anti-PDK1 antibody

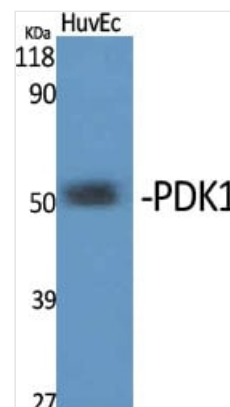
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Applicable Applications for anti-PDK1 antibody	WB (Western Blot)
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

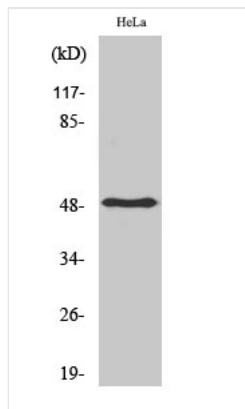
IMAGES


WB (Western Blot)

Dilution: Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.

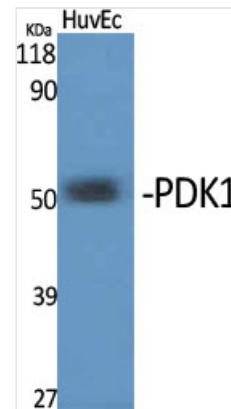

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ADDITIONAL INFORMATION

Related Product Information for anti-PDK1 antibody

Kinase that plays a key role in regulation of glucose and fatty acid metabolism and homeostasis via phosphorylation of the pyruvate dehydrogenase subunits PDHA1 and PDHA2. This inhibits pyruvate dehydrogenase activity, and thereby regulates metabolite flux through the tricarboxylic acid cycle, down-regulates aerobic respiration and inhibits the formation of acetyl-coenzyme A from pyruvate. Plays an important role in cellular responses to hypoxia and is important for cell proliferation under hypoxia. Protects cells against apoptosis in response to hypoxia and oxidative stress.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505689
NCBI GeneID	5163
NCBI Accession #	NP_002601.1
NCBI GenBank Nucleotide #	NM_002610.4
UniProt Accession #	Q15118; B2R6T1; D3DPD8
Molecular Weight	49,244 Da
NCBI Official Full Name	pyruvate dehydrogenase kinase, isozyme 1 isoform 2
NCBI Official Synonym Full Names	pyruvate dehydrogenase kinase, isozyme 1
NCBI Official Symbol	PDK1
NCBI Protein Information	pyruvate dehydrogenase kinase, isozyme 1; PDH kinase 1; pyruvate dehydrogenase kinase, isoenzyme 1; mitochondrial pyruvate dehydrogenase, lipoamide, kinase isoenzyme 1
UniProt Protein Name	[Pyruvate dehydrogenase [lipoamide]] kinase isozyme 1, mitochondrial
UniProt Gene Name	PDK1
UniProt Synonym Gene Names	PDHK1; PDH kinase 1
UniProt Entry Name	PDK1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.