

Rabbit anti-Human, Mouse PDK1 Polyclonal Antibody | anti-PDK1 antibody

PDK1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA233785	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot, ELISA

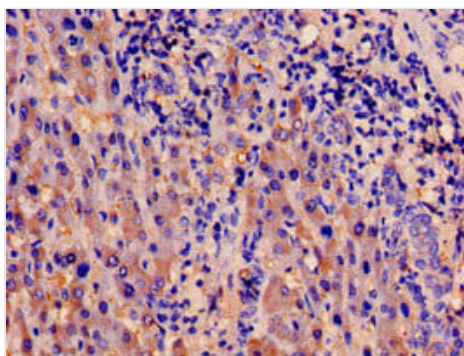
PRODUCT SYNONYMS

PDK1; Polyclonal Antibody; PDK1 Antibody; [Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 1; mitochondrial; Pyruvate dehydrogenase kinase isoform 1; PDH kinase 1; PDHK1; anti-PDK1 antibody

PRODUCT SPECIFICATIONS

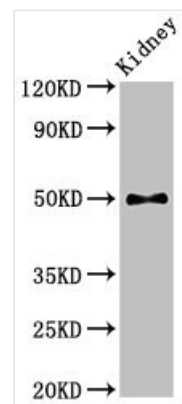
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	456
Applicable Applications for anti-PDK1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human [Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 1, mitochondrial protein (294-432AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human liver cancer using AAA233785 at dilution of 1:100



WB (Western Blot)

Western BlotPositive WB detected in: Mouse kidney tissueAll lanes: PDK1 antibody at 2.8ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 50, 52 KDaObserved band size: 50 KDa

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.
Product Categories/Family for anti-PDK1 antibody	Cancer; Metabolism; Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	514052656
NCBI GeneID	5163
NCBI Accession #	NP_001265478.1
NCBI GenBank Nucleotide #	NM_001278549.1
UniProt Accession #	Q15118; Q308M4; B2R6T1; B7Z937; D3DPD8; E9PD65
Molecular Weight	51,623 Da
NCBI Official Full Name	[Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 1, mitochondrial isoform 1
NCBI Official Synonym Full Names	pyruvate dehydrogenase kinase 1
NCBI Official Symbol	PDK1
NCBI Protein Information	[Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 1, mitochondrial; pyruvate dehydrogenase (acetyl-transferring) kinase isozyme 1, mitochondrial
UniProt Protein Name	[Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 1, mitochondrial
UniProt Gene Name	PDK1
UniProt Synonym Gene Names	PDHK1; PDH kinase 1

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.