

Rabbit PDK1 Polyclonal Antibody | anti-PDK1 antibody

PDK1 antibody - middle region

CATALOG # AAA197222	HOST Rabbit	REACTIVITY Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Yeast	APPLICATIONS Western Blot
-------------------------------	-----------------------	--	-------------------------------------

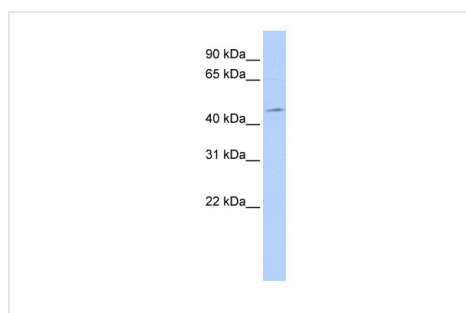
PRODUCT SYNONYMS

PDK1; Polyclonal Antibody; PDK1 antibody - middle region; anti-PDK1 antibody

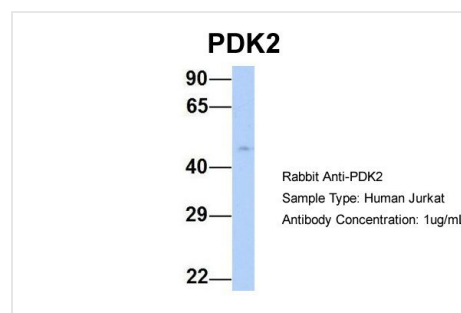
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Yeast
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: AT MEHHANRGVY PPIQVHVTLG NEDLTVKMSD RGGGVPLRKI DRLFNMY
Sequence Length	436
Applicable Applications for anti-PDK1 antibody	WB (Western Blot)
Homology	Cow: 86%; Dog: 79%; Guinea Pig: 86%; Horse: 86%; Human: 100%; Mouse: 86%; Rabbit: 86%; Rat: 86%; Yeast: 90%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human PDK1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES

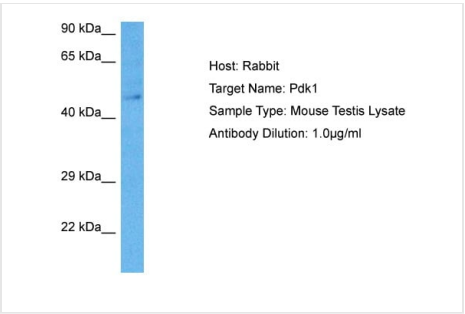


WB (Western Blot)

WB Suggested Anti-PDK1 Antibody Titration: 0.2-1 ug/mL
ELISA Titer: 1:1562500
Positive Control: MCF7 cell lysate


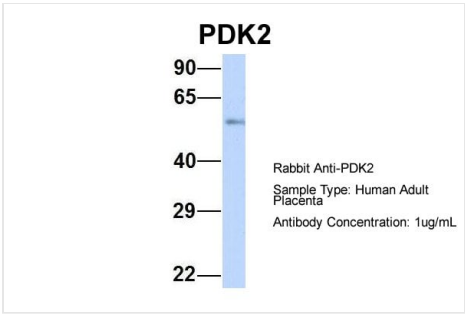
WB (Western Blot)

Host: Rabbit
Target Name: PDK2
Sample Type: Human Jurkat
Antibody Dilution: 1.0 ug/mL
PDK1 is supported by BioGPS gene expression data to be expressed in Jurkat



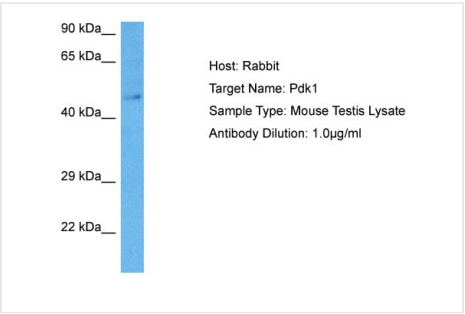
WB (Western Blot)

Host: RabbitTarget Name: PDK1Sample Tissue: Mouse TestisAntibody Dilution: 1ug/ml



WB (Western Blot)

Host: RabbitTarget Name: CHADSample Type: Human Adult PlacentaAntibody Dilution: 1.0ug/ml



WB (Western Blot)

Host: MouseTarget Name: PDK1Sample Tissue: Mouse TestisAntibody Dilution: 1ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-PDK1 antibody	This is a rabbit polyclonal antibody against PDK1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: Pyruvate dehydrogenase (PDH) is a mitochondrial multienzyme complex that catalyzes the oxidative decarboxylation of pyruvate and is one of the major enzymes responsible for the regulation of homeostasis of carbohydrate fuels in mammals. The enzymatic activity is regulated by a phosphorylation/dephosphorylation cycle. Phosphorylation of PDH by a specific pyruvate dehydrogenase kinase (PDK) results in inactivation. Pyruvate dehydrogenase (PDH) is a mitochondrial multienzyme complex that catalyzes the oxidative decarboxylation of pyruvate and is one of the major enzymes responsible for the regulation of homeostasis of carbohydrate fuels in mammals. The enzymatic activity is regulated by a phosphorylation/dephosphorylation cycle. Phosphorylation of PDH by a specific pyruvate dehydrogenase kinase (PDK) results in inactivation. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Product Categories/Family for anti-PDK1 antibody	Polyclonal ; Lymphocyte Signaling ; Drugs and Drug Metabolism ; Hepatitis C ; Phosphorylation

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505689
NCBI GeneID	5163
NCBI Accession #	NP_002601
NCBI GenBank Nucleotide #	NM_002610
UniProt Accession #	Q15118
Molecular Weight	47kDa
NCBI Official Full Name	[Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 1, mitochondrial isoform 2
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 [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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/pdk1-antibody-western-blot-elisa/197222>