

Datasheet for ABIN2777432
anti-PDPK1 antibody (Middle Region)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µL
Target:	PDPK1
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Rabbit, Cow, Dog, Guinea Pig, Horse, Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human PDK1
Sequence:	ATMEHHANRG VYPPIQVHVT LGNEDLTVKM SDRGGGVPLR KIDRLFNYMY
Predicted Reactivity:	Cow: 86%, Dog: 79%, Guinea Pig: 86%, Horse: 86%, Human: 100%, Mouse: 86%, Rabbit: 86%, Rat: 86%, Yeast: 90%
Characteristics:	This is a rabbit polyclonal antibody against PDK1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	PDPK1
Alternative Name:	PDK1 (PDPK1 Products)

Target Details

Background:	<p>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.</p> <p>Alias Symbols: -</p> <p>Protein Interaction Partner: EGFR, PDK1, KAT2B, USP4, UBC, MYC, XRCC6, SGK1, DLAT, RPS6KB1, PDK2, PDHA1, YWHAQ, RPTOR, RALGDS, PKN2, PKN1, MTOR, AKT1,</p> <p>Protein Size: 436</p>
Molecular Weight:	47 kDa
Gene ID:	5163
NCBI Accession:	NM_002610 , NP_002601
UniProt:	Q15118
Pathways:	PI3K-Akt Signaling , TCR Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Cell-Cell Junction Organization , Regulation of Cell Size , Skeletal Muscle Fiber Development , CXCR4-mediated Signaling Events , Signaling Events mediated by VEGFR1 and VEGFR2 , VEGFR1 Specific Signals

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 436 AA
Restrictions:	For Research Use only

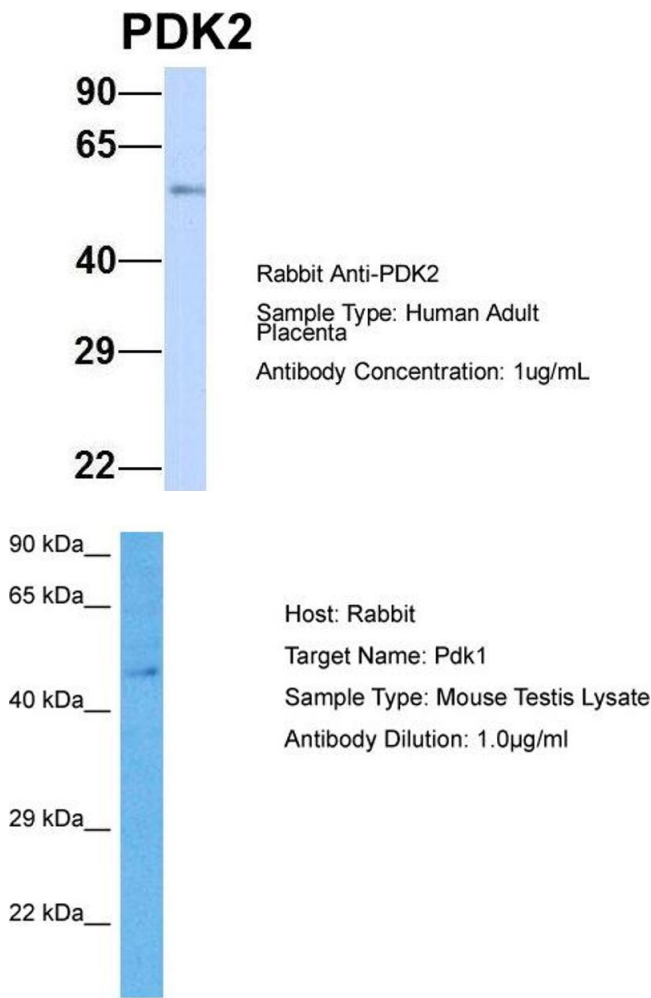
Handling

Format:	Liquid
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Handling

Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images

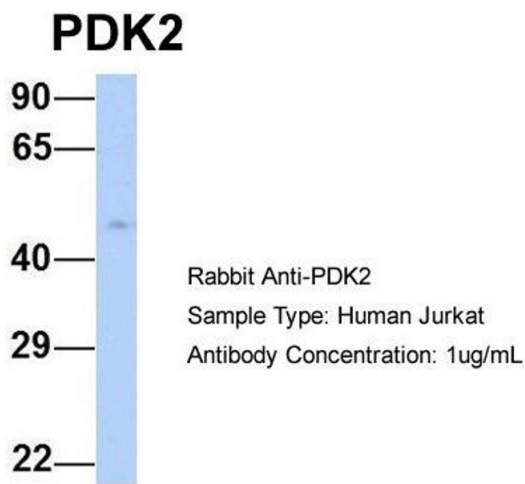


Western Blotting

Image 1. Host: Rabbit Target Name: CHAD Sample Type: Human Adult Placenta Antibody Dilution: 1.0ug/ml

Western Blotting

Image 2. Host: Rabbit Target Name: PDK1 Sample Tissue: Mouse Testis Antibody Dilution: 1ug/ml



Western Blotting

Image 3. Host: Rabbit Target Name: PDK2 Sample Type: Human Jurkat Antibody Dilution: 1.0ug/ml PDK1 is supported by BioGPS gene expression data to be expressed in Jurkat

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2777432.