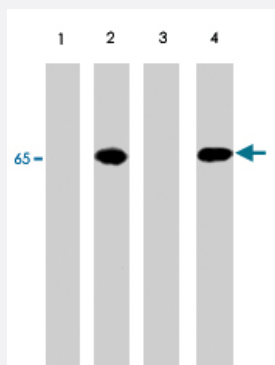


# PDPK1 (phospho Y9) polyclonal antibody

Catalog # PAB7926      Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western blot of A-431 cells untreated (lanes 1) or treated with pervanadate (lanes 2, 3 & 4). Blots were probed with PDPK1 (phospho Y9) polyclonal antibody (Cat # PAB7926). The latter was used in the presence of no peptide (lane 2), phospho-PDK1 (Tyr-9) peptide (lane 3), or an unrelated phosphotyrosine peptide (lane 4).

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic phosphopeptide of PDPK1.
<b>Immunogen</b>	Synthetic phosphopeptide corresponding to residues surrounding Y9 of human PDPK1.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Rat
<b>Specificity</b>	This sequence is highly conserved in rat and mouse PDK1.
<b>Form</b>	Liquid
<b>Quality Control Testing</b>	Antibody Reactive Against Synthetic Peptide.
<b>Recommend Usage</b>	ELISA (1:2000) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (50% glycerol, 1 mg/mL BSA, 0.05% sodium azide)
<b>Storage Instruction</b>	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

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- Enzyme-linked Immunoabsorbent Assay

## Gene Info — PDPK1

Entrez GeneID	<a href="#">5170</a>
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Gene Name	PDPK1
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Gene Alias	MGC20087, MGC35290, PDK1, PRO0461
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Gene Description	3-phosphoinositide dependent protein kinase-1
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Omim ID	<a href="#">605213</a>
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Gene Ontology	<a href="#">Hyperlink</a>
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Other Designations	PkB kinase like gene 1 Pkb-like 1 protein kinase
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## Publication Reference

- [Nox4 NAD\(P\)H oxidase mediates Src-dependent tyrosine phosphorylation of PDK-1 in response to angiotensin II: role in mesangial cell hypertrophy and fibronectin expression.](#)

Block K, Eid A, Griendling KK, Lee DY, Wittrant Y, Gorin Y.

The Journal of Biological Chemistry 2008 Aug; 283(35):24061.

Application: WB, Rat, Rat glomerular MCs

- [Phosphoinositide-dependent phosphorylation of PDK1 regulates nuclear translocation.](#)

Scheid MP, Parsons M, Woodgett JR.

Molecular and Cellular Biology 2005 Mar; 25(6):2347.

- [Pyk2- and Src-dependent tyrosine phosphorylation of PDK1 regulates focal adhesions.](#)

Taniyama Y, Weber DS, Rocic P, Hilenski L, Akers ML, Park J, Hemmings BA, Alexander RW, Griendling KK.

Molecular and Cellular Biology 2003 Nov; 23(22):8019.

Application: WB-Tr, Human, HEK 293 cells

## Pathway

- [Endometrial cancer](#)
- [Focal adhesion](#)
- [Insulin signaling pathway](#)
- [mTOR signaling pathway](#)
- [Non-small cell lung cancer](#)
- [PPAR signaling pathway](#)
- [Prostate cancer](#)

## Disease

- [Adenocarcinoma](#)
- [Thyroid Neoplasms](#)