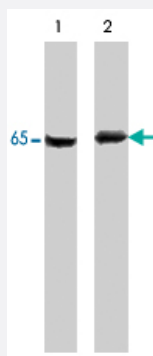


# PDPK1 polyclonal antibody

Catalog # PAB7885

Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western blot of A-431 cells untreated (lane 1) or treated with pervanadate (lane 2). Blots were probed with PDPK1 polyclonal antibody (Cat # PAB7885) .

## Specification

**Product Description** Rabbit polyclonal antibody raised against synthetic peptide of PDPK1.

**Immunogen** A synthetic peptide corresponding to N-terminus of human PDPK1.

**Host** Rabbit

**Reactivity** Human, Mouse, Rat

**Specificity** This sequence is highly conserved in rat and mouse PDK1.

**Form** Liquid

**Quality Control Testing** Antibody Reactive Against Synthetic Peptide.

**Recommend Usage** ELISA (1:2000)  
Western Blot (1:1000)  
The optimal working dilution should be determined by the end user.

**Storage Buffer** In PBS (50% glycerol, 1 mg/mL BSA, 0.05% sodium azide)

**Storage Instruction** 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)

Western blot of A-431 cells untreated (lane 1) or treated with pervanadate (lane 2). Blots were probed with PDPK1 polyclonal antibody (Cat # PAB7885).

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — PDPK1

Entrez GeneID	<a href="#">5170</a>
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Protein Accession#	<a href="#">O15530</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

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

Scheid MP, Parsons M, Woodgett JR.

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

Application: IF, WB, Human, MCF-7 cells

- [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: IP-WB, WB-Tr, Human, Rat, Mouse, VSMCs, HEK 293, CHO/AT1 cells

- [Identification of tyrosine phosphorylation sites on 3-phosphoinositide-dependent protein kinase-1 and their role in regulating kinase activity.](#)

Park J, Hill MM, Hess D, Brazil DP, Hofsteenge J, Hemmings BA.

The Journal of Biological Chemistry 2001 Oct; 276(40):37459.

## 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](#)