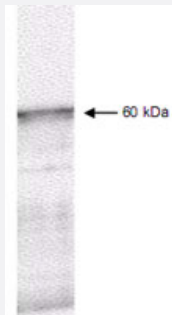


PDPK1 polyclonal antibody

Catalog # PAB10309 Size 100 ug

Applications



Western Blot (Transfected lysate)

Western blot using PDPK1 polyclonal antibody (Cat # PAB10309) shows detection of myc-tagged human PDPK1 at 60 KDa in ~10 ug of a virus infected Sf9 cell lysate (arrow).

The nitrocellulose membrane was probed overnight at 4°C with the primary antibody diluted 1 : 750 in 1% non-fat dry milk.

HRP conjugated Goat-anti-Rabbit IgG [H&L] and chemiluminescent detection is recommended.

Specification

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

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

Host Rabbit

Reactivity Dog, Human, Mouse, Rat

Specificity This affinity purified antibody is directed against human PDK-1.

Form Liquid

Quality Control Testing Antibody Reactive Against Synthetic Peptide.

Recommend Usage
ELISA (1:100000)
Western Blot (1:500-1:2000)
The optimal working dilution should be determined by the end user.

Storage Buffer In 20 mM KH₂PO₄, 150 mM NaCl, pH 7.2 (0.01% sodium azide)

Storage Instruction

Store at 4°C. For long term storage 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

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- Immunohistochemistry

- Enzyme-linked Immunoabsorbent Assay

Gene Info — PDPK1

Entrez GeneID [5170](#)

Protein Accession# [NP_002604](#)

Gene Name PDPK1

Gene Alias MGC20087, MGC35290, PDK1, PRO0461

Gene Description 3-phosphoinositide dependent protein kinase-1

Omim ID [605213](#)

Gene Ontology [Hyperlink](#)

Other Designations PkB kinase like gene 1|Pkb-like 1|protein kinase

Publication Reference

- [Multiple phosphoinositide 3-kinase-dependent steps in activation of protein kinase B.](#)

Scheid MP, Marignani PA, Woodgett JR.

Molecular and Cellular Biology 2002 Sep; 22(17):6247.

Application: IF, WB-Tr, Human, HEK 293 cells

- [High resolution crystal structure of the human PDK1 catalytic domain defines the regulatory phosphopeptide docking site.](#)

Biondi RM, Komander D, Thomas CC, Lizcano JM, Deak M, Alessi DR, van Aalten DM.

The EMBO Journal 2002 Aug; 21(16):4219.

- [Involvement of Hsp90 in signaling and stability of 3-phosphoinositide-dependent kinase-1.](#)

Fujita N, Sato S, Ishida A, Tsuruo T.

The Journal of Biological Chemistry 2002 Mar; 277(12):10346.

Application: IP, WB, Human, HEK 293T, HT1080, NL-17, PC-3 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](#)