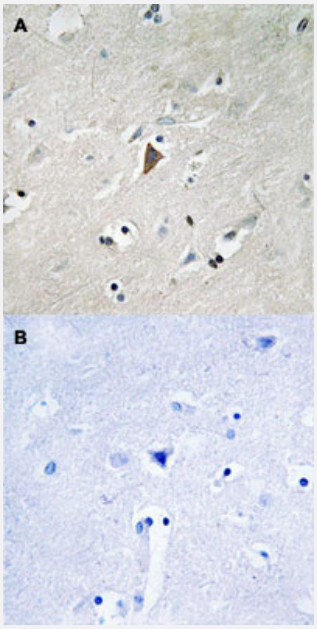
# PDPK1 (phospho Y9) polyclonal antibody

Catalog # PAB29292 Size 100 uL

## Applications




### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human brain tissue with PDPK1 (phospho Y9) polyclonal antibody (Cat# PAB29292) without blocking peptide (A) or preincubated with blocking peptide (B) under 1:50-1:100 dilution.

## Specification

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|---|---|
| **Product Description** | Rabbit polyclonal antibody raised against synthetic phosphopeptide of human PDPK1. |
| **Immunogen** | Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding Y9 of human PDPK1. |
| **Host** | Rabbit |
| **Theoretical MW (kDa)** | 63 |
| **Reactivity** | Human, Mouse, Rat |
| **Specificity** | PDPK1 (phospho Y9) polyclonal antibody detects endogenous levels of human PDPK1 only when phosphorylated at tyrosine 9. |
| **Form** | Liquid |

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|---|---|
| **Purification** | Affinity Chromatography |
| **Recommend Usage** | Immunohistochemistry (1:50~1:100)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS (without $Mg^{2+}$ and $Ca^{2+}$), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide) |
| **Storage Instruction** | Store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

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## Gene Info — PDPK1

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|---|---|
| **Entrez GeneID** | 5170 |
| **Protein Accession#** | O15530 |
| **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 |

## Pathway

- Endometrial cancer
- Focal adhesion

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- Insulin signaling pathway
- mTOR signaling pathway
- Non-small cell lung cancer
- PPAR signaling pathway
- Prostate cancer

## Disease

- Adenocarcinoma
- Thyroid Neoplasms

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