

## Recombinant PDPK1 Monoclonal Antibody

catalog number: AN300667L

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

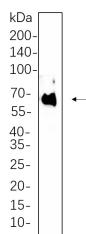
|              |   |
|--------------|---|
| Reactivity   | Human;Mouse;Rat   |
| Immunogen    | Recombinant Human PDPK1 protein                                 |
| Host         | Rabbit  |
| Isotype      | IgG, $\kappa$   |
| Clone        | B606  |
| Purification | Protein A   |
| Buffer       | PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant. |

### Applications

### Recommended Dilution

|       |                |
|-------|----------------|
| IHC   | 1:200-1:1000   |
| WB    | 1:2000-1:10000 |
| IF    | 1:200-1:1000   |
| ELISA | 1:5000-1:20000 |

### Data



Western Blot with Recombinant PDPK1 Monoclonal Antibody at dilution of 1:1000 dilution. Lane A: Hela whole cell lysate.

**Observed-MW:58-68 kDa**

**Calculated-MW:63 kDa**

### Preparation & Storage

**Storage** Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

**Shipping** Ice bag

### Background

ATP + a protein = ADP + a phosphoprotein.,Phosphorylates and activates not only PKB/AKT, but also PKA, PKC-zeta, RPS6KA1 and RPS6KB1. May play a general role in signaling processes and in development (By similarity). Isoform 3 is catalytically inactive.,PTM:Phosphorylated on tyrosine and serine/threonine. Phosphorylation on Ser-241 in the activation loop is required for full activity. PDK1 itself can autophosphorylate Ser-241, leading to its own activation.,similarity:Belongs to the protein kinase superfamily.,similarity:Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. PDK1 subfamily.,similarity:Contains 1 PH domain.,similarity:Contains 1 protein kinase domain.,subcellular location:Membrane-associated after cell stimulation leading to its translocation. Tyrosine phosphorylation seems to occur only at the plasma membrane.,subunit:Interacts with TUSC4.,tissue specificity: Appears to be expressed ubiquitously.

### For Research Use Only

Toll-free: 1-888-852-8623

Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086

Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017

Rev. V1.2