

## Anti-Phospho-PDPK1 (Ser241) Rabbit pAb

Purified Rabbit Polyclonal Antibody

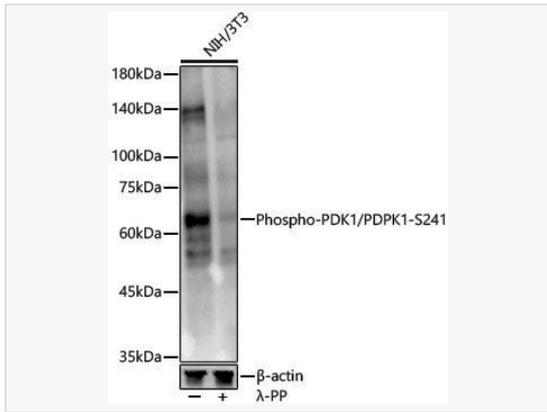
Catalog # P108234

### Product Information

|             |   |
|-------------|---|
| Application | WB, IF (Cell)/ICC, ELISA  |
| Reactivity  | Human, Mouse, Rat   |
| Dilution    | WB 1:500~1:2,000; IF 1:100~1:200  |
| Host        | Rabbit  |
| Clonality   | Polyclonal  |
| Isotype     | IgG   |
| Label       | Unconjugated  |
| Immunogen   | A phospho specific peptide corresponding to residues surrounding S241 of human PDK1/PDPK1                                   |
| Format      | Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.                     |
| Storage     | Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage. |
| Precautions | Anti-Phospho-PDPK1 (Ser241) Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.    |

### Protein Information

|               |  |
|---------------|--|
| Synonyms      | PDHK1; PDK1; Pyruvate dehydrogenase kinase isoform 1; PDH kinase 1; PDPK1; PRO0461; Phospho-PDK1/PDPK1-S241.   |
| Calculated MW | Calculated MW: 63 kDa; Observed MW: 58-68 kDa  |
| Uniprot ID    | O15530   |
| Gene ID       | 5170   |
| Background    | Enables 3-phosphoinositide-dependent protein kinase activity; phospholipase activator activity; and phospholipase binding activity. Involved in several processes, including cell surface receptor signaling pathway; regulation of protein kinase activity; and regulation of signal transduction. Acts upstream of or within intracellular signal transduction. Located in cell projection; cytosol; and plasma membrane. Implicated in prostate cancer. Biomarker of lung non-small cell carcinoma. |



Western blot analysis of lysates from NIH/3T3 cells, using Phospho-PDK1/PDPK1-S241 Rabbit pAb (P108234) at 1:1,000 dilution. NIH/3T3 cells were treated by  $\lambda$ -PP mixed solution (1ul) at 30°C for 30 minutes.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.

Lysates/proteins: 25 $\mu$ g per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Enhanced Kit (SQ201).

Exposure time: 30s.