# Anti-Phospho-PDPK1 (Ser241) Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P012770

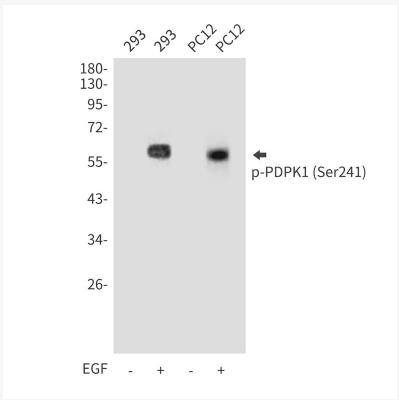
## Product Information

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|---|---|
| Application | WB, IHC-P/IF (Tissue-P), ICC/IF (Cell), ELISA |
| Reactivity | Human, Mouse, Rat |
| Dilution | WB 1:500~1:1,000; IHC-P 1:50~1:100; ICC 1:100~1:200 |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Label | Unconjugated |
| Immunogen | Synthetic peptide of human PDPK1 |
| Format | Buffer System: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. Purification: Affinity Purified. |
| 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) antibody is for research use only and not for use in diagnostic or therapeutic procedures. |

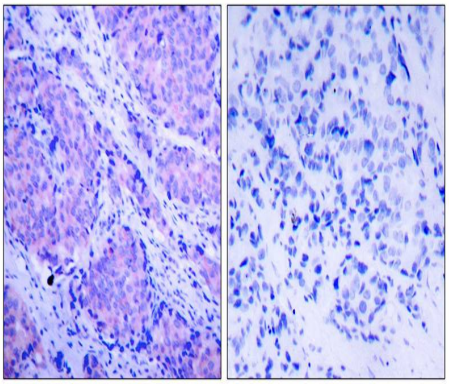
## Protein Information

| | |
|---|---|
| Synonyms | PDPK1, PDK1, 3-phosphoinositide-dependent protein kinase 1, hPDK1. |
| Calculated MW | Calculated MW: 63 kDa; Observed MW: 63 kDa |
| Uniprot ID | O15530 |
| Gene ID | 5170 |
| Background | Phosphoinositide-dependent protein kinase 1 (PDK1) plays a central role in many signal transduction pathways including the activation of Akt and the PKC isoenzymes p70 S6 kinase and RSK. Through its effects on these kinases, PDK1 is involved in the regulation of a wide variety of processes, including cell proliferation, differentiation and apoptosis. |

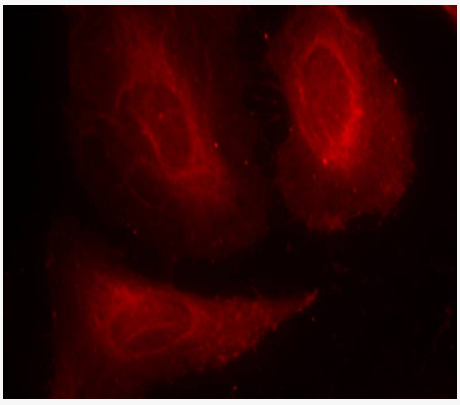
## Validation Images




Western blot analysis of Phospho-PDPK1 (Ser241) in 293, PC-12 lysates using Phospho-PDPK1 (Ser241) antibody.



Immunohistochemistry analysis of paraffin-embedded Human breast carcinoma tissue using PDK1(Phospho-Ser241) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval. Sample with blocking peptide on the right.



Immunofluorescence analysis of Phospho-PDPK1 (Ser241) in Hela cells using PDK1 (Phospho-Ser241) antibody (red) .