

Phospho-PDK1/PDPK1-S241 Rabbit pAb

Catalog No.: AP0477 **1 Publications**

Basic Information

Observed MW

60-70kDa

Calculated MW

63kDa

Category

Primary antibody

Applications

ELISA,WB,IF/ICC

Cross-Reactivity

Human, Mouse, Rat

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.

Recommended Dilutions

WB	1:500 - 1:2000
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID	Swiss Prot
5170	O15530

Immunogen

A synthetic phosphorylated peptide around S241 of human PDK1/PDPK1 (NP_002604.1).

Synonyms

PDK1; PDPK2; PDPK2P; PRO0461; Phospho-PDK1/PDPK1-S241

Contact

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Product Information

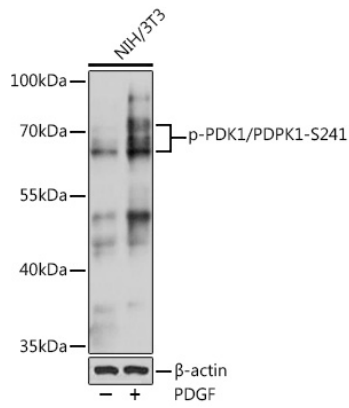
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of lysates from NIH/3T3 cells, using Phospho-PDK1/PDPK1-S241 pAb (AP0477) at 1:1000 dilution. NIH/3T3 cells were treated by PDGF (100 ng/mL) at 37°C for 30 minutes after serum-starvation overnight.

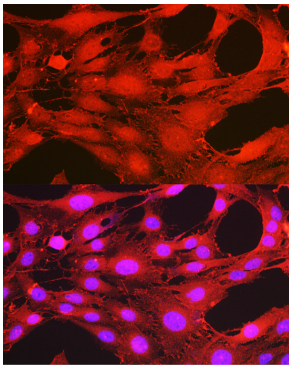
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

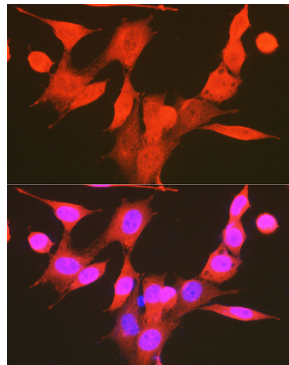
Blocking buffer: 3% BSA.

Detection: ECL Basic Kit (RM00020).

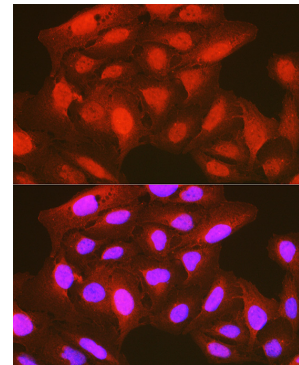
Exposure time: 60s.



Immunofluorescence analysis of C6 cells using Phospho-PDK1/PDPK1-S241 Rabbit pAb (AP0477) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH-3T3 cells using Phospho-PDK1/PDPK1-S241 Rabbit pAb (AP0477) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using Phospho-PDK1/PDPK1-S241 Rabbit pAb (AP0477) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.