bs-5537R **[Primary Antibody]**

phospho-PDPK1 (Ser393) Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 5170 **SWISS:** O15530

Target: PDPK1 (Ser393)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human PDPK1 around the phosphorylation site of Ser393: SS(p-S)SH.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: PDK1 (3 Phosphoinositide Dependent Protein Kinase 1) phosphorylates AGC kinases.
PDK1 activates conventional PKC and PKC zeta through phosphorylation of critical threonine residues in the activation loop. PDK1 also phosphorylates Protein Kinase B (PKB) at threonine 308 in the presence of phosphatidylinositol-3,4,5-trisphosphate. Active Akt inactivates Glycogen Synthase Kinase 3 (GSK3), eventually leading to the dephosphorylation and activation of glycogen synthase and the stimulation of glycogen synthesis. Because of the role that PDK plays in insulin-induced glycogen synthesis and PKC activation it is a potentially important target for metabolic drug research. There are three named isoforms.

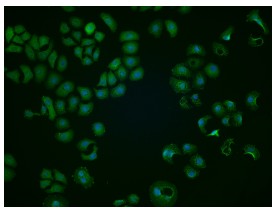
Applications: **ICC/IF** (1:25)

Reactivity: Human (predicted: Mouse, Rat)

Predicted MW.: 61 kDa

Subcellular Location: Cell membrane ,Cytoplasm

VALIDATION IMAGES



HepG2 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (Phospho-PDPK1 (Ser393)) polyclonal Antibody, Unconjugated (bs-5537R) 1:25, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.