

**bsm-54037R****[ Primary Antibody ]**

www.bioss.com.cn

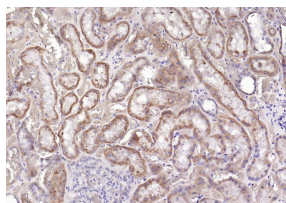
sales@bioss.com.cn

techsupport@bioss.com.cn

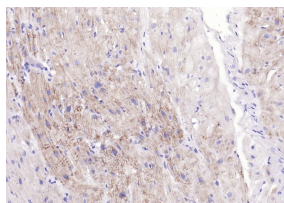
400-901-9800

**PDPK1 Recombinant Rabbit mAb****— DATASHEET —**

|  |                      |  |
|--|----------------------|--|
| <b>Host:</b> Rabbit  | <b>Isotype:</b> IgG  | <b>Applications:</b> <b>WB</b> (1:500-2000)<br><b>IHC-P</b> (1:500-2000)<br><b>IHC-F</b> (1:500-2000)<br><b>IF</b> (1:500-2000)<br><b>Flow-Cyt</b> (1:50-100)<br><br><b>Reactivity:</b> Human, Mouse, Rat<br><br><br><br><b>Predicted MW.:</b> 61 kDa<br><br><b>Subcellular Location:</b> Cell membrane ,Cytoplasm |
| <b>Clonality:</b> Recombinant  | <b>CloneNo.:</b> 2F9 |  |
| <b>GeneID:</b> 5170  | <b>SWISS:</b> O15530 |  |
| <b>Target:</b> PDPK1   |                      |  |
| <b>Purification:</b> affinity purified by Protein A  |                      |  |
| <b>Concentration:</b> 1mg/ml   |                      |  |
| <b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.<br>Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.   |                      |  |
| <b>Background:</b> 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. |                      |  |

**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (Human kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PDK1) Monoclonal Antibody, Unconjugated (bsm-54037R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human myocardium); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PDK1) Monoclonal Antibody, Unconjugated (bsm-54037R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.