

**bs-3017R****[ Primary Antibody ]****phospho-PDPK1 (Tyr373 + Tyr376) Rabbit pAb****BioSS**  
**ANTIBODIES**

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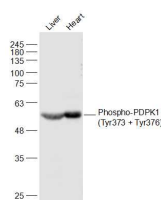
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**— DATASHEET —**

<p><b>Host:</b> Rabbit</p> <p><b>Clonality:</b> Polyclonal</p> <p><b>GeneID:</b> 5170</p> <p><b>Target:</b> PDPK1 (Tyr373 + Tyr376)</p> <p><b>Immunogen:</b> KLH conjugated Synthesised phosphopeptide derived from human PDPK1 around the phosphorylation site of (Y373+Y376): DC(p-Y)GN(p-Y)DN.</p> <p><b>Purification:</b> affinity purified by Protein A</p> <p><b>Concentration:</b> 1mg/ml</p> <p><b>Storage:</b> 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.</p> <p><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.</p>	<p><b>Isotype:</b> IgG</p> <p><b>SWISS:</b> O15530</p> <p><b>Applications:</b> WB (1:500-2000)</p> <p><b>Reactivity:</b> Mouse (predicted: Human, Rat, Pig, Cow, Chicken, Dog)</p> <p><b>Predicted MW.:</b> 61 kDa</p> <p><b>Subcellular Location:</b> Cell membrane ,Cytoplasm</p>
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**— VALIDATION IMAGES —**

Sample: Liver (Mouse) Lysate at 40 ug Heart (Mouse) Lysate at 40 ug  
 Primary: Anti-Phospho-PDPK1(Tyr373 + Tyr376) (bs-3017R) at 1/500 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
 Predicted band size: 61 kD Observed band size: 61 kD