

**bs-3962R****[ Primary Antibody ]****BioSS**  
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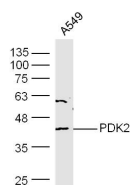
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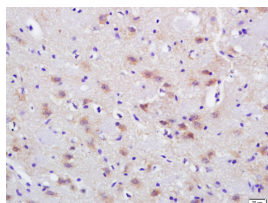
400-901-9800

**PDK2 Rabbit pAb****— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 5164 <b>Target:</b> PDK2 <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human PDK2: 315-407/407. <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. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. <b>Background:</b> This gene encodes a member of the pyruvate dehydrogenase kinase family. The encoded protein phosphorylates pyruvate dehydrogenase, down-regulating the activity of the mitochondrial pyruvate dehydrogenase complex. Overexpression of this gene may play a role in both cancer and diabetes. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2010].	<b>Isotype:</b> IgG <b>SWISS:</b> Q15119	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>Reactivity:</b> Human, Rat (predicted: Mouse, Rabbit, Pig, Cow, Dog, Horse) <b>Predicted MW.:</b> 46 kDa <b>Subcellular Location:</b> Cytoplasm
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**— VALIDATION IMAGES —**

Sample: A549 Cell (Human) Lysate at 40 ug  
 Primary: Anti-PDK2 (bs-3962R) at 1/300 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 46 kD  
 Observed band size: 46 kD



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-PDK2 Polyclonal Antibody, Unconjugated(bs-3962R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

**— SELECTED CITATIONS —**

- **[IF=7.9]** Kaili Liu. et al. Baicalin attenuates neuronal damage associated with SDH activation and PDK2-PDH axis dysfunction in early reperfusion. PHYTOMEDICINE. 2024 Mar;;155570 IF ;Rat. 38579645