

**bs-1730R****[ Primary Antibody ]****phospho-Src (Tyr529) Rabbit pAb****Bioss**  
**ANTIBODIES**

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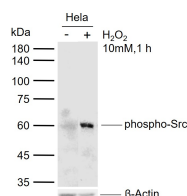
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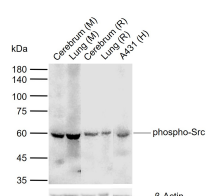
400-901-9800

**— DATASHEET —**

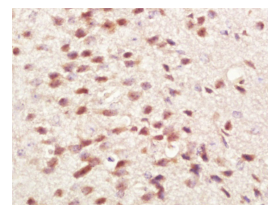
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>IHC-P</b> (1:50-200) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>ELISA</b> (1:5000-10000)
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 20779	<b>SWISS:</b> P05480	
<b>Target:</b> phospho-Src (Tyr529)		
<b>Immunogen:</b> KLH conjugated Synthesised phosphopeptide derived from mouse Src around the phosphorylation site of Tyr529: YF(p-T)S.		
<b>Purification:</b> affinity purified by Protein A		<b>Reactivity:</b> Human, Mouse, Rat  <b>Predicted MW.:</b> 61 kDa  <b>Subcellular Location:</b> Cell membrane ,Cytoplasm ,Nucleus
<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 is highly similar to the v-src gene of Rous sarcoma virus. This proto-oncogene may play a role in the regulation of embryonic development and cell growth. The protein encoded by this gene is a tyrosine-protein kinase whose activity can be inhibited by phosphorylation by c-SRC kinase. Mutations in this gene could be involved in the malignant progression of colon cancer. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]		

**— VALIDATION IMAGES —**

Sample: Lane 1: Normal Human HeLa cell lysates  
 Lane 2: HeLa treated with H<sub>2</sub>O<sub>2</sub> at 10mM for 1 h  
 Primary: Anti-phospho-Src (Tyr529) (bs-1730R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 61Da Observed band size: 60Da



Sample: Lane 1: Mouse Cerebrum tissue lysates  
 Lane 2: Mouse Lung tissue lysates Lane 3 Rat Cerebrum tissue lysates Lane 4 Rat Lung tissue lysates Lane 5 Human A431 cell lysates  
 Primary: Anti-phospho-Src (Tyr529) (bs-1730R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 61Da Observed band size: 60Da



Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); 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 (phospho-Src(Tyr529)) Polyclonal Antibody, Unconjugated (bs-1730R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

**— SELECTED CITATIONS —**

- **[IF=11]** Hao Li. et al. Somatic PDGFRB activating variants promote smooth muscle cell phenotype modulation in intracranial fusiform aneurysm. J BIOMED SCI. 2024 Dec;31(1):1-17 IF ;Mouse. 38741091