

## Anti-P-SRC (Tyr530) Rabbit pAb



WL02114

For Research Use Only. Not For Use In Diagnostic Procedures

## Product Information

<b>Product name</b>	Anti-P-SRC (Tyr530) Rabbit pAb	
<b>Source</b>	Rabbit	
<b>Species reactivity</b>	Human, Mouse, Rat	
<b>Tested applications</b>	WB	1:1000-1:2000
	IHC	1:500
<b>Cellular localization</b>	Cell junction; Cell membrane; Cytoplasm; Cytoskeleton; Mitochondrion inner membrane; Nucleus	
<b>Pack size</b>	50/100/200/500/1000µl	
<b>Storage</b>	Store at -20°C. <b>Avoid freeze/thaw cycles.</b>	
<b>Storage buffer</b>	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide	

## General Information

**Background**

The Src family of protein tyrosine kinases, which includes Src, Lyn, Fyn, Yes, Lck, Blk, and Hck, are important in the regulation of growth and differentiation of eukaryotic cells. It is a protein tyrosine kinase known to regulate cellular adhesion. Dephosphorylation of Tyr-530 as a result of protein tyrosine phosphatase (PTP) action disrupts the intramolecular interaction between the SH2 domain and Tyr-530, Tyr-419 can then become autophosphorylated, resulting in SRC activation. Phosphorylation of Tyr-530 by c-Src kinase (CSK) allows this interaction to reform, resulting in SRC inactivation. Several cancers including colon and breast cancer have been associated with an increase of Src activity.

**Immunogen**

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of P-SRC (Tyr530).

**Purification**

Polyclonal antibody was purified by Protein A affinity chromatography.

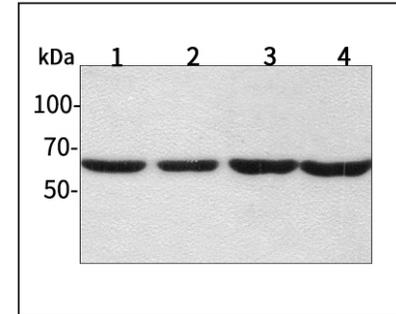
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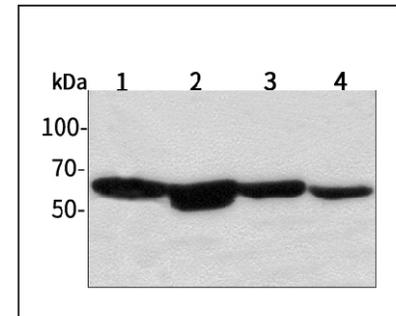
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## Product Images



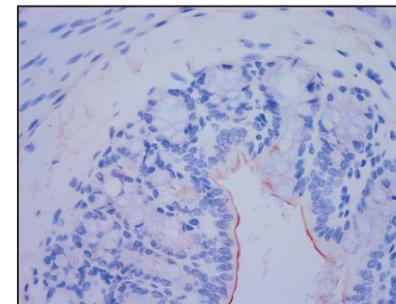
## Western blot-Anti-P-SRC (Tyr530) pAb

Lane 1: Human HepG2 cell-LPS treated lysate  
 Lane 2: Human Hela cell-LPS treated lysate  
 Lane 3: Human BGC-823 cell-LPS treated lysate  
 Lane 4: Human MGC-803 cell-LPS treated lysate  
 All lanes: Anti-P-SRC (Tyr530) at 1:1000 dilution  
 Lysates/proteins at 20-50 µg per lane.  
 Predicted band size: 60 kDa  
 Observed band size: 60 kDa



## Western blot-Anti-P-SRC (Tyr530) pAb

Lane 1: Mouse heart tissue-LPS treated lysate  
 Lane 2: Mouse liver tissue-LPS treated lysate  
 Lane 3: Rat brain tissue-LPS treated lysate  
 Lane 4: Rat testicle tissue-LPS treated lysate  
 All lanes: Anti-P-SRC (Tyr530) at 1:1000 dilution  
 Lysates/proteins at 20-50 µg per lane.  
 Predicted band size: 60 kDa  
 Observed band size: 60 kDa



## Immunohistochemistry-Anti-P-SRC (Tyr530) pAb

Immunohistochemical analysis of paraffin-embedded mouse intestine using anti-P-SRC (Tyr530) Rabbit Antibody at 1:500 dilution. Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0