

Anti-P-SRC (Tyr530) Rabbit pAb



WL02114

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-P-SRC (Tyr530) Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat	
Tested applications	WB	1:1000-1:2000
	IHC, IF	1:100-1:500
Cellular localization	Cell junction; Cell membrane; Cytoplasm; Cytoskeleton;	
	Mitochondrion inner membrane; Nucleus	
Pack size	50/100/200/500/1000μl	
Storage	Store at -20°C. Avoid freeze/thaw cycles.	
Storage buffer	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.

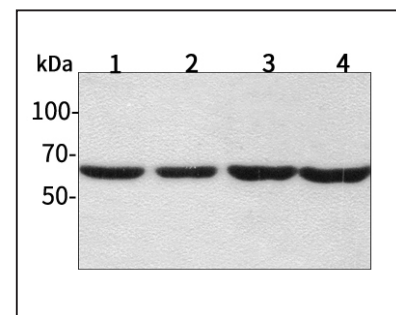
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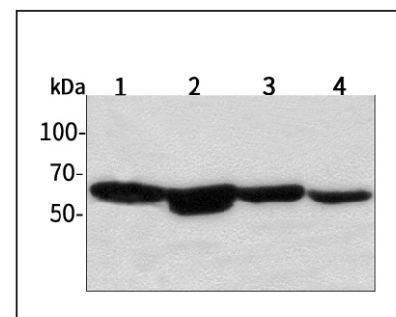
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Product Images



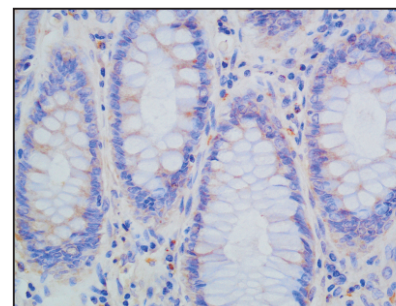
Western blot-Anti-P-SRC (Tyr530) pAb

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 human colon cancer using anti-P-SRC (Tyr530) Rabbit Antibody at 1:100 dilution. Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

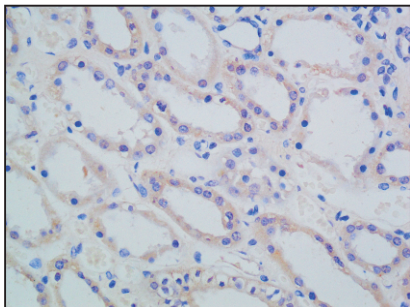
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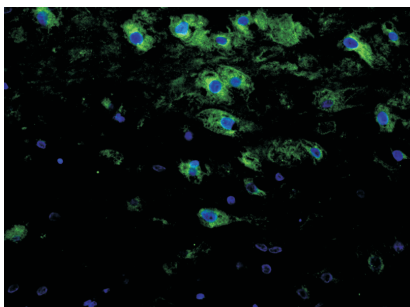
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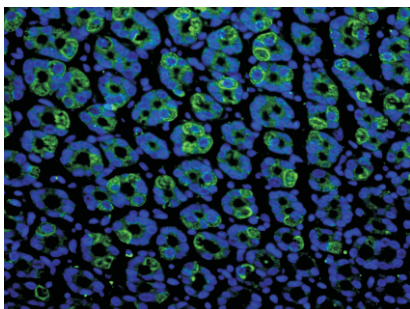
Immunohistochemistry-Anti-P-SRC (Tyr530) pAb

Immunohistochemical analysis of paraffin-embedded human kidney cancer using anti-P-SRC (Tyr530) Rabbit Antibody at 1:100 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-P-SRC (Tyr530) pAb

Immunofluorescence analysis of paraffin-embedded human placenta using anti-P-SRC (Tyr530) Rabbit Antibody at 1:100 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-P-SRC (Tyr530) pAb

Immunofluorescence analysis of paraffin-embedded rat stomach using anti-P-SRC (Tyr530) Rabbit Antibody at 1:100 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0