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35-1147: Polyclonal Antibody to Src (Phospho-Tyr529)

Clonality: Polyclonal Application: WB,IHC,IF

Reactivity: Human, Mouse, Rat

Gene : SRC
Gene ID : 6714
Uniprot ID : P12931
Format : Purified
Alternative Name : C-SRC, SRC1
Isotype : Rabbit IgG

Immunogen Information: Peptide sequence around phosphorylation site of tyrosine 529 (P-Q-Y(p)-Q-P) derived from

Human Src.

Description

proto-oncogenic cytoplasmic tyrosine kinase of the SRC family. Highly expressed in certain fully differentiated cells such as neurons, platelets and macrophages. Phosphorylation of an activation loop tyrosine activates the enzyme; phosphorylation of a tyrosine in the C-terminus by Csk inhibits the enzyme. Pyper J.M., (1985) Mol. Cell. Biol. 5:831-838 Pyper J.M.(1990) Mol. Cell. Biol. 10:2035-2040 Xu W., (1997).Nature 385:595-602 Benes C.H., (2005) Cell 121:271-280

Product Info

Amount : 50 μl / 100 μl

Content: Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM

NaCl, 0.02% sodium azide and 50% glycerol.

Storage condition : Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid

repeated freeze and thaw cycles.

Application Note

Predicted MW: 60kd, Western blotting: $1:500\sim1:1000$, Immunohistochemistry: $1:50\sim1:100$, Immunofluorescence: $1:100\sim1:200$

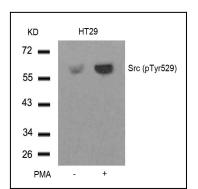


Figure 1: Western blot analysis of extracts from HT29 cells untreated or treated with PMA using Src(Phospho-Tyr529) Antibody 35-1147 .



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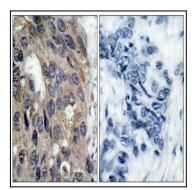


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Src(Phospho-Tyr529) Antibody 35-1147 (left) or the same antibody preincubated with blocking peptide(right).

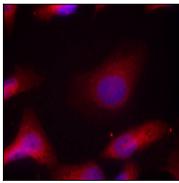


Figure 3: Immunofluorescence staining of methanol-fixed Hela cells using Src(Phospho-Tyr529) Antibody 35-1147.

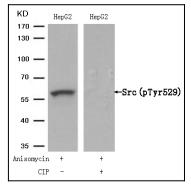


Figure 4: Western blot analysis of extracts from HepG2 cells, treated with Anisomycin or calf intestinal phosphatase (CIP), using Src (Phospho-Tyr529) Antibody 35-1147.