



## Src (Phospho-Tyr529) Antibody

#1153

**Catalog Number:** 11153-1, 11153-2

**Amount:** 50µg/50µl, 100µg/100µl

**Swiss-Prot No. :** P12931

**Form of Antibody:** Rabbit IgG in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Storage/Stability:** Store at -20°C/1 year

**Immunogen:** The antiserum was produced against synthesized phosphopeptide derived from human Src around the phosphorylation site of tyrosine 529 (P-Q-Y<sup>P</sup>-Q-P).

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.

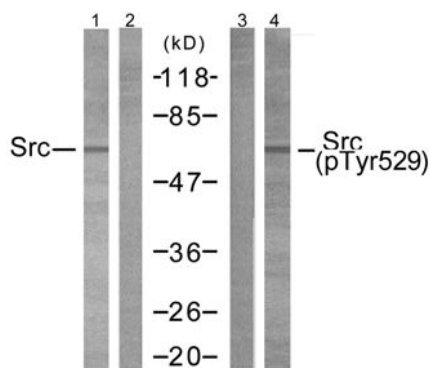
**Specificity/Sensitivity:** Src (phospho-Tyr529) antibody detects endogenous levels of Src only when phosphorylated at tyrosine 529.

**Reactivity:** Human, Mouse, Rat

**Applications:**

Predicted MW: 60 kd

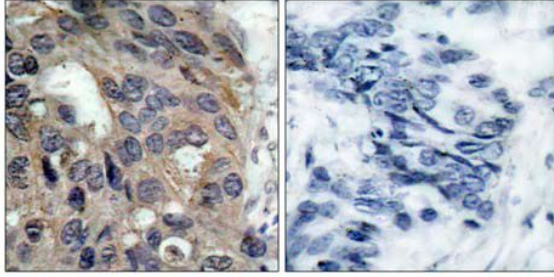
WB: 1:500~1:1000 IHC: 1:50~1:100 IF: 1:100~1:200



EGF+serum -- + -

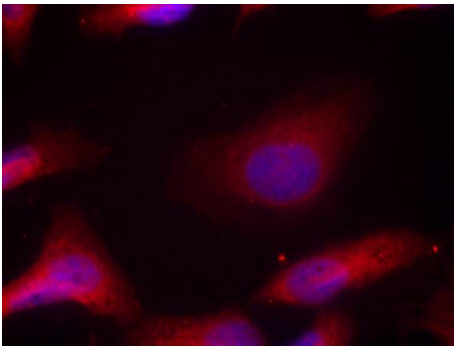
Peptide - + - -

Western blot analysis of extracts from 293 cells using Src (Ab-529) antibody (#21168, Lane1 and 2) and Src (phospho-Tyr529) antibody (#11153, Lane 3 and 4).



P-Peptide - +

Immunohistochemical analysis of paraffin- embedded human lung carcinoma tissue using Src (phospho-Tyr529) antibody (#11153).



Immunofluorescence staining of methanol-fixed HeLa cells using Src (phospho- Tyr529)antibody (#11153, Red).

#### **Background :**

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.

#### **References:**

- .Pyper J.M., (1985) Mol. Cell. Biol. 5:831-838 Pyper J.M.(1990) Mol. Cell. Biol. 10:2035-2040  
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