

Store at  
-20°C

# Src (32G6) Rabbit mAb

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#2123

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orders@cellsignal.comEntrez-Gene ID #6714  
UniProt ID #P12931

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**For Research Use Only. Not For Use In Diagnostic Procedures.****Applications**  
W, IP  
Endogenous**Species Cross-Reactivity\***  
H, M, R, Mk, (C)**Molecular Wt.**  
60 kDa**Isotype**  
Rabbit IgG\*\*

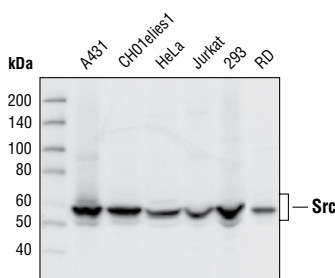
**Background:** The Src family of protein tyrosine kinases, which includes Src, Lyn, Fyn, Yes, Lck, Blk, and Hck, are important in the regulation of growth and differentiation of eukaryotic cells (1). Src activity is regulated by tyrosine phosphorylation at two sites, but with opposing effects. While phosphorylation at Tyr416 in the activation loop of the kinase domain upregulates enzyme activity, phosphorylation at Tyr527 in the carboxy-terminal tail by Csk renders the enzyme less active (2).

**Specificity/Sensitivity:** Src (32G6) Rabbit mAb detects endogenous levels of total Src proteins. The antibody does not cross-react with other proteins.

**Source/Purification:** Monoclonal antibody is produced by immunizing animals with a recombinant fusion protein corresponding to residues 1-110 of human Src protein.

**Background References:**

- (1) Thomas, S.M. and Brugge, J.S. (1997) *Annu Rev Cell Dev Biol* 13, 513-609.
- (2) Hunter, T. (1987) *Cell* 49, 1-4.



Western blot analysis of cell extracts from various cell lines, using Src (32G6) Rabbit mAb.

**Storage:** Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.

\*Species cross-reactivity is determined by western blot.

\*\*Anti-rabbit secondary antibodies must be used to detect this antibody.

**Recommended Antibody Dilutions:**

Western blotting 1:1000  
Immunoprecipitation 1:50

For product specific protocols and a complete listing of recommended companion products please see the product web page at [www.cellsignal.com](http://www.cellsignal.com)

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**IMPORTANT: For western blots, incubate membrane with diluted antibody in 5% w/v BSA, 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.**

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Applications: W—Western IP—Immunoprecipitation IHC—Immunohistochemistry ChIP—Chromatin Immunoprecipitation IF—Immunofluorescence F—Flow cytometry E-P—ELISA-Peptide Species Cross-Reactivity: H—human M—mouse R—rat Hm—hamster Mk—monkey Mi—mink C—chicken Dm—D. melanogaster X—Xenopus Z—zebrafish B—bovine Dg—dog Pg—pig Sc—S. cerevisiae Ce—C. elegans Hr—Horse All—all species expected \*Species enclosed in parentheses are predicted to react based on 100% homology.