**Src (36D10) Rabbit mAb**

**Applications:** Western, IP, IHC-P, IHC-F, IF-IC, IF-F, F

**Species Cross-Reactivity:** H, M, R, M, Hm, B, Pg, (C)

**Molecular Wt.:** 60 kDa

**Isotype:** Rabbit IgG

**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.

**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 (36D10) Rabbit mAb detects endogenous levels of Src proteins. The antibody may cross-react with other Src family members, but does not cross-react with other non-family proteins.

**Source/Purification:** Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human Src.

**Background References:**

**Recommended Antibody Dilutions:**
Western blotting 1:1000
Immunoprecipitation 1:50
Immunohistochemistry (Paraffin) 1:800
Immunohistochemistry (Frozen) 1:800
Immunofluorescence (IF-IC) 1:100
Immunofluorescence (IF-F) 1:100
Flow Cytometry 1:200

**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.**

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Western blotting 1:1000
Immunoprecipitation 1:50
Immunohistochemistry (Paraffin) 1:800
Immunohistochemistry (Frozen) 1:800
Immunofluorescence (IF-IC) 1:100
Immunofluorescence (IF-F) 1:100
Flow Cytometry 1:200

**For product specific protocols and a complete listing of recommended companion products please see the product web page at www.cellsignal.com**

Immunohistochemical analysis of paraffin-embedded human colon carcinoma using Src (36D10) Rabbit mAb.

Immunohistochemical analysis of paraffin-embedded human breast carcinoma using Src (36D10) Rabbit mAb in the presence of control peptide (left) or antigen-specific peptide (right).

Flow cytometric analysis of A-431 cells using Src (36D10) Rabbit mAb (blue) compared to a nonspecific negative control antibody (red).

Immunohistochemical analysis of frozen SKOV-3 xenograft using Src (36D10) Rabbit mAb.