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**anti-c-Src**

Cat #: HM1348  
Rabbit polyclonal IgG  
0.2 µg/µl, store at 4 °C

For research use only

**BACKGROUND**

Src is the human homolog of the v-src gene of the Rous sarcoma virus. It was the first proto-oncogenic non-receptor tyrosine kinase characterized in human. Other vertebrate members include Yes, Fgr, Yrk, Fyn, Lyn, Hck, Lck and Blk. Src-family kinases contain an amino terminal cell membrane anchor followed by an SH3 domain and an SH2 domain involved in modular association and activation. They transduce signals that are involved in the control of a variety of cellular processes, including proliferation, differentiation, motility, and adhesion.

**SPECIFICITY**

This antibody reacts with c-Src p60 of mouse, rat and human origin by Western blotting, immunoprecipitation and immunohistochemistry.

**IMMUNOGEN**

A peptide at the amino terminus of human Src p60.

**STORAGE**

This antibody is stable for 12 months when stored at 2-8°C.

**REFERENCES**

1. Xu, W., Harrison, S.C. and Eck, M.J. (1997) Three-dimensional structure of the tyrosine kinase c-Src. *Nature* 385, 595-602.
2. Bjorge, J.D., Jakymiw, A., and Fujita, D.J. 2000. Selected glimpses into the activation and function of Src kinase. *Oncogene* 19: 5620-5635.
3. Korade-Mirnic, Z. and Corey, S.J. 2000. Src kinase-mediated signaling in leukocytes. *J. Leukoc. Biol.* 68: 603-613.
4. Gilmore, E.S., Stutts, M.J., and Milgram, S.L. 2001. SRC family kinases mediate epithelial Na<sup>+</sup> channel inhibition by endothelin. *J. Biol. Chem.* 276: 42610-42617.
5. Williams, J.C., Wierenga, R.K., and Saraste, M. 1998. Insights into Src kinase functions: structural comparisons. *Trends Biochem. Sci.* 23: 179-184.
6. Irby, R.B., Mao, W., Coppola, D., Kang, J., Loubeau, J.M., Trudeau, W., Karl, R., Fujita, D.J., Jove, R., and Yeatman, T.J. 1999. Activating SRC mutation in a subset of advanced human colon cancers. *Nat. Genet.* 21: 187-190.
7. Tatosyan, A.G. and Mizenina, O.A. 2000. Kinases of the Src family: structure and functions. *Biochemistry* 65: 49-58.
8. Oo, M.L., Senga, T., Thant, A.A., Amin, A.R., Huang, P., Mon, N.N. and Hamaguchi, M. (2003) Cysteine residues in the C-terminal lobe of Src: their role in the suppression of the Src kinase. *Oncogene* 22, 1411-1417.

9. Bard, F., Mazelin, L., Pechoux-Longin, C., Malhotra, V. and Jurdic, P. (2003) Src regulates Golgi structure and KDEL receptor-dependent retrograde transport to the endoplasmic reticulum. *J. Biol. Chem.* 278, 46601-46606.
10. Heiska, L. and Carpen, O. (2005) Src phosphorylates ezrin at tyrosine 477 and induces a phosphospecific association between ezrin and a kelch-repeat protein family member. *J. Biol. Chem.* 280, 10244-10252.

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