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- Mindermengenzuschlag
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fish (h): 293T Lysate: sc-128624

BACKGROUND

Fish, a potential Src substrate, is a broadly expressed adaptor protein containing five SH3 domains and a plox homology (PX) domain. The Src family of protein tyrosine kinases act in signal transduction pathways. Src kinases vary in expression but are strongly regulated *in vivo*; catalytic activity is repressed by interacting with the SH3 domain. In Src-transformed fibroblasts and in normal cells treated with certain growth factors, fish is tyrosine-phosphorylated. Treatment of cells with cytochalasin D results in rapid tyrosine phosphorylation of fish, along with activation of Src. Fish is likely to be involved in tyrosine kinase signaling and may have a role in cytoskeletal changes.

REFERENCES

1. Bolen, J.B., Rowley, R.B., Spana, C. and Tsygankov, A.Y. 1992. The Src family of tyrosine protein kinases in hemopoietic signal transduction. *FASEB J.* 6: 3403-3409.
2. Superti-Furga, G. and Courtneidge, S.A. 1995. Structure-function relationships in Src family and related protein tyrosine kinases. *Bioessays* 17: 321-330.
3. Erpel, T. and Courtneidge, S.A. 1995. Src family protein tyrosine kinases and cellular signal transduction pathways. *Curr. Opin. Cell Biol.* 7: 176-182.
4. Dikic, I., Tokiwa, G., Lev, S., Courtneidge, S.A. and Schlessinger, J. 1996. A role for Pyk2 and Src in linking G protein-coupled receptors with MAP kinase activation. *Nature* 383: 547-550.
5. Luttrell, L.M., Hawes, B.E., van Biesen, T., Luttrell, D.K., Lansing, T.J. and Lefkowitz, R.J. 1996. Role of c-Src tyrosine kinase in G protein-coupled receptor- and G β γ subunit-mediated activation of mitogen-activated protein kinases. *J. Biol. Chem.* 271: 19443-19450.
6. Brown, M.T. and Cooper, J.A. 1996. Regulation, substrates and functions of Src. *Biochim. Biophys. Acta* 1287: 121-149.
7. Lock, P., Abram, C.L., Gibson, T. and Courtneidge, S.A. 1998. A new method for isolating tyrosine kinase substrates used to identify fish, an SH3 and PX domain-containing protein, and Src substrate. *EMBO J.* 17: 4346-4357.

CHROMOSOMAL LOCATION

Genetic locus: SH3PXD2A (human) mapping to 10q24.33.

PRODUCT

fish (h): 293T Lysate represents a lysate of human fish transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

APPLICATIONS

fish (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive fish antibodies.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.