

## Lysate Preparation

c-Src was the first proto-oncogenic non-receptor tyrosine kinase characterized in human. The Src family is composed of nine members in vertebrates, including c-Src, Yes, Fgr, Yrk, Fyn, Lyn, Hck, Lck, and Blk. Src-family kinases transduce signals that are involved in the control of a variety of cellular processes, including proliferation, differentiation, motility, and adhesion.

The mouse fibroblast cell line, SYF, is deficient for the c-Src family kinases, c-Src, Yes, and Fyn, while SYF + c-Src overexpress c-Src kinase. This cell line is useful for studies of c-Src mediated phosphorylation when treated with the tyrosine phosphatase inhibitor, pervanadate. Confluent cultures of SYF + c-Src cells were serum starved 2 hrs, and then either left untreated (Cat.# SL7171) or treated with pervanadate (1 mM) for 30 minutes at 37°C (cat.# SL7181). Cells were lysed in 1% SDS, 1.0 mM sodium ortho-vanadate, 10 mM Tris (pH 7.4) buffer. Protein concentration was determined using the BCA method (Pierce) before diluting to final concentration and buffer.

## Buffer and Storage

Cell Lysates are supplied at a concentration of 1 mg/ml in electrophoresis sample buffer (62.5 mM Tris pH 6.8, 2% SDS, 5% glycerol, 0.003% bromophenol blue, 0.9% β-mercaptoethanol). Store at -20°C. Do not boil or dilute. Stable for 1 year.

## Applications

WB 20 µl/lane

End user should determine optimal quantity for their particular applications and experiments.

## Related Products

- SP1371 c-Src (Tyr-215)[conserved site], phospho-specific Rabbit Polyclonal
- SX1375 phospho-c-Src (Tyr-215) Blocking Peptide
- SL7161 SYF c-Src-transformed Lysate
- SL7181 SYF c-Src-transformed + Pervanadate Lysate

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