

Fes (h2): 293T Lysate: sc-159705

BACKGROUND

Fes, a tyrosine kinase encoded by the proto-oncogene c-Fes, is expressed in macrophages and is thought to be involved in the regulation of myeloid differentiation. Fes has several characteristics typical of a cytoplasmic class of protein tyrosine kinases, including an SH2 domain and autophosphorylation capabilities. Fes has been shown to associate with IL-4 and several hematopoietic cytokine receptors, as well as with BCR. Phosphorylation of BCR by Fes induces the association of BCR with the Ras guanine nucleotide exchange factor complex GRB2/Sos.

REFERENCES

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6. Jucker, M., McKenna, K., da Silva, A.J., Rudd, C.E. and Feldman, R.A. 1997. The Fes protein-tyrosine kinase phosphorylates a subset of macrophage proteins that are involved in cell adhesion and cell-cell signaling. *J. Biol. Chem.* 272: 2104-2109.

CHROMOSOMAL LOCATION

Genetic locus: FES (human) mapping to 15q26.1.

PRODUCT

Fes (h2): 293T Lysate represents a lysate of human Fes transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

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.

PROTOCOLS

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

APPLICATIONS

Fes (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive Fes antibodies. Recommended use: 10-20 µl per lane.

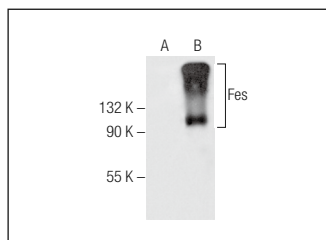
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

Fes (D-9): sc-377179 is recommended as a positive control antibody for Western Blot analysis of enhanced human Fes expression in Fes transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended:
1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA



Fes (D-9): sc-377179. Western blot analysis of Fes expression in non-transfected: sc-117752 (A) and human Fes transfected: sc-159705 (B) 293T whole cell lysates.

RESEARCH USE

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