

Jun B (h): 293T Lysate: sc-159648

BACKGROUND

The c-Jun proto-oncogene was first identified as the cellular homolog of the avian sarcoma virus v-Jun oncogene. The c-Jun protein along with c-Fos is a component of the AP-1 transcriptional complex. c-Jun can form either Jun/Jun homodimers or Jun/Fos heterodimers via the leucine repeats in both proteins. Homo- and heterodimers bind to the TGACTCA consensus sequence present in numerous promoters and initially identified as the phorbol ester tumor promoter response element (TRE). Two additional genes, Jun B and Jun D have been shown to be almost identical to c-Jun in their C-terminal regions, which are involved in dimerization and DNA binding, whereas their N-terminal domains, which are involved in transcriptional activation, diverge. All three form heterodimers among themselves and with c-Fos and other members of the Fos gene family.

REFERENCES

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7. Vogt, P.K., et al. 1990. Jun: oncogene and transcription factor. Adv. Cancer Res. 55: 1-35.
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CHROMOSOMAL LOCATION

Genetic locus: JUNB (human) mapping to 19p13.2.

PRODUCT

Jun B (h): 293T Lysate represents a lysate of human Jun B 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

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

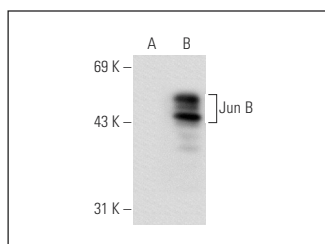
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

Jun B (C-11): sc-8051 is recommended as a positive control antibody for Western Blot analysis of enhanced human Jun B expression in Jun B 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



Jun B (C-11): sc-8051. Western blot analysis of Jun B expression in non-transfected: sc-117752 (A) and human Jun B transfected: sc-159648 (B) 293T whole cell lysates.

RESEARCH USE

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