

SOCS-6 (h): CHO Lysate: sc-110015

BACKGROUND

The SOCS (suppressor of cytokine signaling) gene family consists of a group of proteins that negatively regulate cytokine signal transduction. The SOCS family proteins contain a central SH2 domain and a carboxy-terminal region termed the "SOCS box". The SOCS-1 (also called SSI-1 and JAB), SOCS-2 (also called SSI-2 and CIS2) and SOCS-3 (also called SSI-3 and CIS3) genes are known to be upregulated by IL-6 and other cytokines. SOCS-4, SOCS-5, SOCS-6 and SOCS-7 were identified by their sequence homology with the SOCS box. CIS (for cytokine-inducible SH2-containing protein) is also a member of the SOCS family.

REFERENCES

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4. Nicholson, S.E. and Hilton, D.J. 1998. The SOCS proteins: a new family of negative regulators of signal transduction. *J. Leukoc. Biol.* 63: 665-668.
5. Hilton, D.J., Richardson, R.T., Alexander, W.S., Viney, E.M., Willson, T.A., Sprigg, N.S., Starr, R., Nicholson, S.E., Metcalf, D. and Nicola, N.A. 1998. Twenty proteins containing a C-terminal SOCS box form five structural classes. *Proc. Natl. Acad. Sci. USA* 95: 114-119.

CHROMOSOMAL LOCATION

Genetic locus: SOCS6 (human) mapping to 18q22.2.

PRODUCT

SOCS-6 (h): CHO Lysate represents a lysate of human SOCS-6 transfected CHO cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

RESEARCH USE

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

APPLICATIONS

SOCS-6 (h): CHO Lysate is suitable as a Western Blotting positive control for human reactive SOCS-6 antibodies. Recommended use: 10-20 µl per lane.

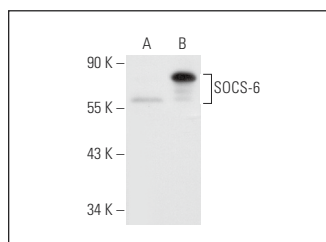
Control CHO Lysate: sc-117750 is available as a Western Blotting negative control lysate derived from non-transfected CHO cells.

SOCS-6 (B-11): sc-133058 is recommended as a positive control antibody for Western Blot analysis of enhanced human SOCS-6 expression in SOCS-6 transfected CHO 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



SOCS-6 (B-11): sc-133058. Western blot analysis of SOCS-6 expression in non-transfected: sc-117750 (A) and human SOCS-6 transfected: sc-110015 (B) CHO whole cell lysates.

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.