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SSB-4 (m): 293T Lysate: sc-123789

BACKGROUND

Members of the suppressor of cytokine signaling (SOCS) family of proteins contain C-terminal regions of homology called the SOCS box, which serves to couple SOCS proteins and their binding partners with the Elongin BC complex, thereby mediating protein degradation. Several other families of proteins also contain SOCS boxes, but differ from the SOCS proteins in the type of domain they contain upstream of the SOCS box. SSB-4, also known as SPSB4 (splA/ryanodine receptor domain and SOCS box containing 4), is a 273 amino acid protein that localizes to the cytoplasm and contains one SOCS box domain and one B30.2/SPRY domain. Functioning as a substrate recognition component of the Elongin BC complex, SSB-4 plays a role in the ubiquitination and subsequent proteasomal degradation of target proteins.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: *Spsb4* (mouse) mapping to E3.3.

PRODUCT

SSB-4 (m): 293T Lysate represents a lysate of mouse SSB-4 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

SSB-4 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive SSB-4 antibodies. Recommended use: 10-20 µl per lane.

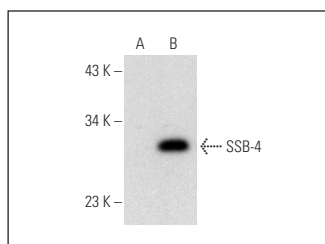
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

SSB-4 (C-7): sc-514586 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse SSB-4 expression in SSB-4 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



SSB-4 (C-7): sc-514586. Western blot analysis of SSB-4 expression in non-transfected: sc-117752 (A) and mouse SSB-4 transfected: sc-123789 (B) 293T whole cell lysates.

RESEARCH USE

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