# ASB-9 (h): 293T Lysate: sc-110869



The Power to Question

#### **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 B and C complex. 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. The largest family of SOCS box-containing proteins is the ankyrin repeat and SOCS box-containing (ASB) protein family. Members of the ASB family include ASB-1 through ASB-18 and are involved in a variety of biological processes. ASB-9 is a 294 amino acid member of this family. It contains six ankyrin repeats and one SOCS box domain. ASB-9 functions as a ubiquitin ligase and, via its SOCS box domain, specifically interacts with creatine kinase-B, targeting it for degradation and regulating its expression within the cell. Two isoforms exist for ASB-9 due to alternative splicing events.

## **REFERENCES**

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- 5. Kohroki, J., Nishiyama, T., Nakamura, T. and Masuho, Y. 2005. ASB proteins interact with Cullin5 and Rbx2 to form E3 ubiquitin ligase complexes. FEBS Lett. 579: 6796-6802.
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## CHROMOSOMAL LOCATION

Genetic locus: ASB9 (human) mapping to Xp22.2.

## **PRODUCT**

ASB-9 (h): 293T Lysate represents a lysate of human ASB-9 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.

#### **APPLICATIONS**

ASB-9 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive ASB-9 antibodies. Recommended use:  $10-20~\mu$ l per lane.

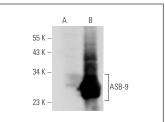
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-tranfected 293T cells.

ASB-9 (E-12): sc-166723 is recommended as a positive control antibody for Western Blot analysis of enhanced human ASB-9 expression in ASB-9 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-lgG $\kappa$  BP-HRP: sc-516102 or m-lgG $\kappa$  BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker<sup>TM</sup> Molecular Weight Standards: sc-2035, UltraCruz<sup>®</sup> Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

## **DATA**





ASB-9 (E-12): sc-166723. Western blot analysis of ASB-9 expression in non-transfected: sc-117752 (**A**) and human ASB-9 transfected: sc-110869 (**B**) 293T whole cell Ivsates.

ASB-9 (E-12): sc-166723. Western blot analysis of ASB-9 expression in non-transfected: sc-117752 (A) and human ASB-9 transfected: sc-110869 (B) 293T whole cell Ivsates.

-- ASB-9

#### **RESEARCH USE**

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

#### **PROTOCOLS**

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

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