

# SSSCA1 (m): 293T Lysate: sc-123793

## BACKGROUND

SSSCA1 (Sjogren syndrome/scleroderma autoantigen 1), also known as p27, is a 199 amino acid protein that may play a role in mitosis. Considered a centromere-associated protein, SSSCA1 may induce anti-centromere antibodies. SSSCA1 is phosphorylated upon DNA damage by ATM or ATR. The gene encoding SSSCA1 maps to human chromosome 11, which houses over 1,400 genes and comprises nearly 4% of the human genome. Jervell and Lange-Nielsen syndrome, Jacobsen syndrome, Niemann-Pick disease, hereditary angioedema and Smith-Lemli-Opitz syndrome are associated with defects in genes that maps to chromosome 11.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: Sssca1 (mouse) mapping to 19 A.

## PRODUCT

SSSCA1 (m): 293T Lysate represents a lysate of mouse SSSCA1 transfected 293T cells and is provided as 100  $\mu$ g protein in 200  $\mu$ l SDS-PAGE buffer.

## APPLICATIONS

SSSCA1 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive SSSCA1 antibodies.

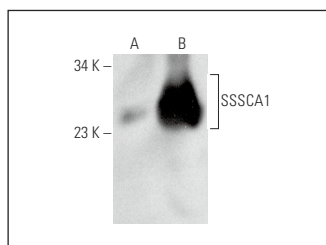
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

SSSCA1 (G-12): sc-515430 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse SSSCA1 expression in SSSCA1 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-IgG $\kappa$  BP-HRP: sc-516102 or m-IgG $\kappa$  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



SSSCA1 (G-12): sc-515430. Western blot analysis of SSSCA1 expression in non-transfected: sc-117752 (A) and mouse SSSCA1 transfected: sc-123793 (B) 293T 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.

## RESEARCH USE

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

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.