

SRA (7H1G1): sc-56777

BACKGROUND

Steroid receptor RNA activator (SRA) selectively mediates transactivation of steroid hormone receptors. Specifically, SRA exists as both an RNA transcript that forms a complex with steroid receptor coactivator-1 and as a stably expressed protein. There are six RNA motifs in SRA that are important for coactivation. SRA is ubiquitously expressed in normal tissues with higher levels of expression in liver and skeletal muscle. SRA is expressed at a low level in brain. SRA is expressed at higher levels in breast tumor than in normal tissue. Overexpression of SRA stimulates ER α transcriptional activity. In cells transfected with antisense oligodeoxynucleotides to SRA, ER α expression is reduced in a dose-dependent fashion. SMRT/HDAC1 associated repressor protein (SHARP) binds to SRA and inhibits SRA-potentiated steroid receptor transcription.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: SRA1 (human) mapping to 5q31.3; Sra1 (mouse) mapping to 18 B2.

SOURCE

SRA (7H1G1) is a mouse monoclonal antibody raised against truncated recombinant SRA of human origin.

PRODUCT

Each vial contains 200 μ g IgG₁ in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

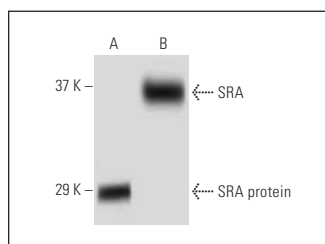
SRA (7H1G1) is recommended for detection of SRA of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500).

Suitable for use as control antibody for SRA siRNA (h): sc-38461, SRA siRNA (m): sc-38462, SRA shRNA Plasmid (h): sc-38461-SH, SRA shRNA Plasmid (m): sc-38462-SH, SRA shRNA (h) Lentiviral Particles: sc-38461-V and SRA shRNA (m) Lentiviral Particles: sc-38462-V.

Molecular Weight of SRA: 35 kDa.

Positive Controls: human ovary cancer tissue extract.

DATA



SRA (7H1G1): sc-56777. Western blot analysis of human recombinant SRA protein (A) and SRA expression in human ovary cancer tissue extract (B).

SELECT PRODUCT CITATIONS

1. Ma, C., Zhang, J., Yang, S., Hua, Y., Su, J., Shang, Y., Wang, Z., Feng, K., Zhang, J., Yang, X., Zhang, H., Mao, J. and Fan, G. 2020. Astragalus flavone ameliorates atherosclerosis and hepatic steatosis via inhibiting lipid-disorder and inflammation in apoE^{-/-} mice. *Front. Pharmacol.* 11: 610550.
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STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

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