**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 exists as both 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 ERα transcriptional activity. In cells transfected with antisense oligodeoxynucleotides to SRA, ERα 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**

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

**SOURCE**
SRA (D-8) is a mouse monoclonal antibody specific for an epitope mapping between amino acids 8-41 near the N-terminus of SRA of mouse origin.

**PRODUCT**
Each vial contains 200 µg IgM kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin. Blocking peptide available for competition studies, sc-271948 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% stabilizer protein).

**APPLICATIONS**
SRA (D-8) is recommended for detection of SRA of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).


Molecular Weight of SRA: 35 kDa.

Positive Controls: rat skeletal muscle extract: sc-364810, NIH/3T3 whole cell lysate: sc-2210 or SRA (m2): 293T Lysate: sc-123773.

**RECOMMENDED SUPPORT REAGENTS**
To ensure optimal results, the following support reagents are recommended:

**DATA**

![SRA (D-8): sc-271948. Western blot analysis of SRA expression in non-transfected: sc-117752 (A) and mouse SRA transfected: sc-123773 (B) 293T whole cell lysates.](image1)

![SRA (D-8): sc-271948. Immunofluorescence staining of methanol-fixed HeLa cells showing cytoplasmic localization.](image2)

**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.

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