**BACKGROUND**

SRY (sex-determining region Y protein) is a transcriptional activator required for male sex determination in mammals. This protein, also referred to as testis-determining factor (TDF), is an HMG box protein that initiates the formation of testis from undifferentiated gonad. The DNA-binding activity of SRY is required for normal testis formation. This DNA-binding activity is thought to be regulated by PKA, which phosphorylates SRY in vivo.

Mutations in SRY have been associated with 46,XY gonadal dysgenesis, in which the gonads fail to develop in XY phenotypic females.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: SRY (human) mapping to Yp11.31.

**SOURCE**

SRY (SRY-15) is a mouse monoclonal antibody raised against recombinant partial length SRY of human origin.

**PRODUCT**

Each vial contains 200 µg IgG, kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

SRY (SRY-15) is available conjugated to agarose (sc-69842 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-69842 HRP), 200 µg/ml, for WB, IHC(PE), and ELISA; to either phycoerythrin (sc-69842 PE), fluorescein (sc-69842 FITC), Alexa Fluor® 488 (sc-69842 AF488), Alexa Fluor® 546 (sc-69842 AF546), Alexa Fluor® 594 (sc-69842 AF594) or Alexa Fluor® 647 (sc-69842 AF647), 200 µg/ml, for WB (RGB), IF, IHC(FITC) and FCM; and to either Alexa Fluor® 680 (sc-69842 AF680) or Alexa Fluor® 790 (sc-69842 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

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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.

**APPLICATIONS**

SRY (SRY-15) is recommended for detection of SRY of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation (1-2 µg per 100-500 µg of total protein [1 ml of cell lysate]) and immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500).

Suitable for use as control antibody for SRY siRNA (h): sc-38443, SRY shRNA Plasmid (h): sc-38443-SH and SRY shRNA (h) Lentiviral Particles: sc-38443-V.

Molecular Weight of SRY: 27 kDa.

Positive Controls: NTERA-2 cl.D1 whole cell lysate: sc-364181 or human testis extract: sc-363781.

**RECOMMENDED SUPPORT REAGENTS**

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgG A/G HRP: sc-516102 or m-IgG A/G 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 Lumino Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use m-IgG A/G FITC: sc-516140 or m-IgG A/G PE: sc-516141 (dilution range: 1:50-1:200) with UltraCruz® Mounting Medium: sc-24941 or UltraCruz® Hard-set Mounting Medium: sc-359850.

**DATA**

**SELECT PRODUCIT CITATIONS**


**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.