# SRSP1 (C-14): sc-139436

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BIOTECHNOLOGY

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## BACKGROUND

SRSP1, also known as SPATS1 (spermatogenesis associated, serine-rich 1) or SPATA8, is a 300 amino acid protein that exists as 2 alternatively spliced isoforms and may play a role in spermatogenesis. The gene encoding SRSP1 maps to human chromosome 6, which contains 170 million base pairs and comprises nearly 6% of the human genome. Deletion of a portion of the q arm of chromosome 6 is associated with early onset intestinal cancer, suggesting the presence of a cancer susceptibility locus. Additionally, porphyria cutanea tarda, Parkinson's disease, Stickler syndrome and a susceptibility to bipolar disorder are all associated with genes that map to chromosome 6.

## REFERENCES

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4. Batts, K.P. 2007. Iron overload syndromes and the liver. Mod. Pathol. 20 Suppl. 1: S31-S39.

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## CHROMOSOMAL LOCATION

Genetic locus: SPATS1 (human) mapping to 6p21.1; Spats1 (mouse) mapping to 17 B3.

## SOURCE

SRSP1 (C-14) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping near the C-terminus of SRSP1 of human origin.

## PRODUCT

Each vial contains 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-139436 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

SRSP1 (C-14) is recommended for detection of SRSP1 of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:50-1:500), immunofluorescence (starting dilution 1:25, dilution range 1:25-1:250) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with SPATA10.

SRSP1 (C-14) is also recommended for detection of SRSP1 in additional species, including equine and canine.

Suitable for use as control antibody for SRSP1 siRNA (h): sc-95320, SRSP1 siRNA (m): sc-153833, SRSP1 shRNA Plasmid (h): sc-95320-SH, SRSP1 shRNA Plasmid (m): sc-153833-SH, SRSP1 shRNA (h) Lentiviral Particles: sc-95320-V and SRSP1 shRNA (m) Lentiviral Particles: sc-153833-V.

Molecular Weight of SRSP1: 34 kDa.

## RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

## 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 or our catalog for detailed protocols and support products.