

## SFRS8 (T-12): sc-132462

### BACKGROUND

SWAP (suppressor of white apricot protein homolog), also known as SFRS8 (splicing factor, arginine/serine-rich 8), is the 951 amino acid human homolog of a *Drosophila* splicing protein. Localized to the nucleus, SWAP contains two SURP repeats through which it is thought to mediate splicing events, possibly regulating the alternative splicing of Fibronectin and CD45RC. SWAP regulates its own expression levels (via control of splicing in its first two introns) and may act in tandem with other arginine/serine-rich splicing factors to control protein expression. The gene encoding SWAP is located on a region of chromosome 12 that is related to asthma susceptibility, possibly indicating a role for SWAP in the development of asthma. Multiple isoforms of SWAP exist due to alternative splicing events.

### REFERENCES

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4. Online Mendelian Inheritance in Man, OMIM<sup>™</sup>. 2002. Johns Hopkins University, Baltimore, MD. MIM Number: 601945. World Wide Web URL: <http://www.ncbi.nlm.nih.gov/omim/>
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6. Brasch-Andersen, C., Tan, Q., Børglum, A.D., Haagerup, A., Larsen, T.R., Vestbo, J. and Kruse, T.A. 2006. Significant linkage to chromosome 12q24.32-q24.33 and identification of SFRS8 as a possible asthma susceptibility gene. *Thorax* 61: 874-879.

### CHROMOSOMAL LOCATION

Genetic locus: SFRS8 (human) mapping to 12q24.33; Sfrs8 (mouse) mapping to 5 G1.3.

### SOURCE

SFRS8 (T-12) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of SFRS8 of human origin.

### PRODUCT

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

Blocking peptide available for competition studies, sc-132462 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

### APPLICATIONS

SFRS8 (T-12) is recommended for detection of SFRS8 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), 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).

Suitable for use as control antibody for SFRS8 siRNA (h): sc-95838, SFRS8 siRNA (m): sc-153962, SFRS8 shRNA Plasmid (h): sc-95838-SH, SFRS8 shRNA Plasmid (m): sc-153962-SH, SFRS8 shRNA (h) Lentiviral Particles: sc-95838-V and SFRS8 shRNA (m) Lentiviral Particles: sc-153962-V.

Molecular Weight of SFRS8: 180 kDa.

### RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker<sup>™</sup> compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker<sup>™</sup> Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz<sup>™</sup> 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](http://www.scbt.com) or our catalog for detailed protocols and support products.