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ProductInformation

Anti-SFRS12
Developed in Rabbit, Affinity isolated antibody

Product Number **S 2945**

Product Description

Anti-SFRS12 is developed in rabbit using as immunogen a synthetic peptide, PRSRNKKDKKREKERD corresponding to human SFRS12 (amino acids 409-424) conjugated to BSA. The antibody is affinity-purified using the immunizing peptide immobilized on resin.

Anti-SFRS12 specifically recognizes SFRS12 (59.4 kDa) by immunoblotting and immunohistochemistry. The antibody detects human and rodent SFRS12. Other species reactivity has not been confirmed.

SFRS12 (Splicing factor arginine/serine-rich 12), alias Serine-Arginine-rich Splicing Regulatory Protein 86 (SRrp86) and Splicing Regulatory Protein 508 (SRrp508), is a member of the SR protein superfamily family of splicing factors. SFRS12 (SRrp508), the human homolog to rat SRrp86, is a transcription factor, which may be involved in the regulation of alternative splicing.[1]

Reagent

Anti-SFRS12 is provided as affinity isolated antibody in a 50% ammonium sulfate suspension in phosphate buffered saline, containing no additional preservatives.

Preparation Instructions

Method 1 for immunostaining and immunoblotting (Western blot)

1. Carefully resuspend antibody pellet to uniformity.
2. Remove a fixed amount of suspension and dissolve 1:10 in PBS or TBS to yield a 100 µg/ml solution.

Method 2 for immunoprecipitation, supershift, immunostaining and immunoblotting (Western blot)

1. Pellet antibodies at 10,000 – 15,000 x g for 10 minutes at 2 to 8 °C using a microcentrifuge.
2. Carefully remove as much supernatant as possible. It is not necessary to remove all the ammonium sulfate solution; a small residual amount will not effect the antibody preparation. Dissolve the pellet (antibody) in small volume (100 µL) of PBS (or TBS) at final concentration of 1 mg/ml (100 µg/100 µl). Do not allow the pellet to dry out. This can cause loss of activity. Gently allow pellet to dissolve at least 1 hour before use. Do not vortex. Mix by finger-tapping or gentle stirring.

Notes:

- Reconstituted antibody may be stored at 2 to 8 °C for up to one month. Addition of a preservative (15 mM sodium azide) may be necessary.
- For extended storage, add an equal volume of high purity glycerol, to a final concentration of 50% and BSA to a final concentration of 1% and store at –20 °C.

- During shipment, small volumes will occasionally become entrapped in the seal of the product vial. We recommend briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.

Storage/Stability
Store ammonium sulfate suspension at 2-8 °C for up to one month.
For extended storage, freeze in working aliquots. Reconstituted and diluted antiserum should be stored in aliquots at −20 °C.

Product Profile
Recommended dilutions are 1:200 to 1:1,000 for immunoblotting and immunohistochemistry.

Note: In order to obtain the best results and assay sensitivity in various techniques and preparations, we recommend determining optimal working dilutions by titration.

References

1. Zhang, D.L., et al., Molecular cloning, characterization, chromosomal assignment, genomic organization and verification of SFRS12 (SRrp508), a novel member of human SR protein superfamily and a human homolog of rat SRrp86. Yi Chuan Xue Bao., **29**, 377-383 (2002).

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