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ProductInformation

Anti-SR-A1
Developed in Rabbit, Affinity isolated antibody

Product Number **S 3195**

Product Description

Anti-SR-A1 is developed in rabbit using a synthetic peptide, DTDKYLKKLHTQER, corresponding to human SR-A1 (amino acids 1203-1216) conjugated to BSA as immunogen. The antibody is affinity-purified using the immunizing peptide immobilized on resin.

Anti-SR-A1 specifically recognizes SR-A1 (139.3 kDa) by immunoblotting and immunohistochemistry. The antibody recognizes human and rodent SR-A. Other species reactivity has not been confirmed.

SR-A1 (serine arginine-rich pre-mRNA splicing factor) is a member of the SR protein family, which interacts with the C-terminal domain of the large subunit of RNA polymerase II and involved in pre-mRNA splicing.[1] The SR-A1 gene is located on chromosome 19q13.3-q13.4. Overexpression of SR-A1 is found in aggressive ovarian cancers.[1]

Reagent

Anti-SR-A1 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. Scorilas, A., et al., Cloning of a gene (SR-A1), encoding for a new member of the human Ser/Arg-richj family of pre-mRNA splicing factors: overexpression in aggressive ovarian cancer. Br. J. Cancer, **85**, 190-198 (2001).

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