

## Product Information

### Anti-Sox18

Developed in Rabbit, Affinity isolated antibody

Product Number **S 3570**

#### Product Description

Anti-Sox18 is developed in rabbit using as immunogen a synthetic peptide, AQDDPPARRDCAWAPGHG corresponding to human Sox18 (amino acids 10-27) conjugated to BSA. The antibody is affinity-purified using the immunizing peptide immobilized on resin.

Anti-Sox18 specifically recognizes Sox18 by immunoblotting (40.9 kDa) and immunohistochemistry. The antibody recognizes human and rodent Sox18. Other species reactivity has not been confirmed.

Sox18, also referred to as SRY (sex determining region Y)-box 18, is a member of the SOX (SRY-related HMG-box) family of transcription factors. Sox18 acts by regulating embryonic development and determining cell fate.

#### Reagent

The antibody 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. Stanojic, S., and Stevanovic, M., The human SOX18 gene: cDNA cloning and high resolution mapping. *Biochim. Biophys. Acta.*, **1492**, 237-241 (2000).
2. Pennisi, D.J., et al., Structure, mapping, and expression of human SOX18. *Mamm. Genome*, **11**, 1147-1149 (2000).

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