

## Product Information

### Anti-GATA5

Developed in Rabbit, Affinity isolated antibody

Product Number **G 8669**

#### Product Description

Anti-GATA5 is developed in rabbit using a synthetic peptide, RPQKRLSSRRAG corresponding to human gata5 (amino acids 228-240) conjugated to BSA as immunogen. The antibody is affinity-purified using the immunizing peptide immobilized on resin.

Anti-GATA5 specifically recognizes GATA5 (42 kDa) by immunoblotting and immunohistochemistry. The antibody recognizes human and rodent GATA5. Other species reactivity has not been confirmed.

GATA5 (GATA binding factor-5) is a member of the GATA family of transcription factors and contains 2 GATA-type zinc fingers. GATA5 is required for endothelial endocardial cell differentiation.<sup>1</sup>

#### Reagent

Anti-GATA5 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 to 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 best results and assay sensitivity in different techniques and preparations we recommend determining optimal working dilutions by titration test.

#### Reference:

Charron, F., and Nemer, M., GATA transcription factors and cardiac development. *Sem. Cell Dev. Biol.* **10**, 85-91 (1999).

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