

## Product Information

### Anti-GATA1

produced in rabbit, affinity isolated antibody

Catalog Number **G4671**

### Product Description

Anti-GATA1 is produced in rabbit using as immunogen a synthetic peptide corresponding to residues 211-225 [ATPLWRRDRTGHYLC] of human GATA1 (GeneID 2623).

Anti-GATA1 recognizes human, mouse, and rat GATA1. Applications include the detection of GATA1 by immunoblotting (~42 kDa) and immunohistochemistry.

GATA1 is in the GATA family of transcription factors. The protein plays an important role in erythroid development by regulating the switch of fetal hemoglobin to adult hemoglobin. Mutations in this gene have been associated with X-linked dyserythropoietic anemia and thrombocytopenia.

### Reagent

Supplied as a solution in phosphate buffered saline, containing 0.02% sodium azide.

Antibody concentration: ~1.0 mg/mL

### Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

### Storage/Stability

For continuous use, store at 2-8 °C for up to three months. For extended storage, freeze in working aliquots. Repeated freezing and thawing, or storage in "frost-free" freezers, is not recommended.

### Product Profile

Immunoblotting: a working dilution of 1:500 to 1:1,000 is recommended.

Immunohistochemistry: a working dilution of 1:100 to 1:250 is recommended.

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

### References

1. Trainor, C. D., et al., Structure and evolution of a human erythroid transcription factor. *Nature* **343** (6253), 92-96 (1990).
2. Zon, L. I., et al., The major human erythroid DNA-binding protein (GF-1): primary sequence and localization of the gene to the X chromosome. *Proc. Natl. Acad. Sci. U.S.A.* **87** (2), 668-672 (1990).

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