

## Datasheet: AHP2401

<b>Description:</b>	RABBIT ANTI GATA1
<b>Specificity:</b>	GATA1
<b>Other names:</b>	Eryf1, GATA-1, GATA-binding factor 1
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	50 µg

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Paraffin (1)	▪			1/50 - 1/500
Western Blotting	▪			1/500
Immunofluorescence	▪			1/50 - 1/500
Immunocytochemistry	▪			1/50 - 1/500

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

**(1) This antibody requires heat-mediated antigen retrieval prior to staining. Bio-Rad recommend citrate buffer pH 6.0 for this purpose.**

**Target Species** Human

**Species Cross Reactivity** Reacts with: Mouse  
**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

**Product Form** Purified IgG - liquid

**Antiserum Preparation** Antiserum to GATA1 was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography on

Protein A.

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**Buffer Solution** Phosphate buffered saline

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**Preservative** <0.1% Sodium Azide (NaN<sub>3</sub>)  
**Stabilisers** 1 mg/ml Bovine Serum Albumin  
30% Glycerol

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**Approx. Protein Concentrations** IgG concentration 1.0 mg/ml

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**Immunogen** N-terminal truncated human recombinant protein

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**External Database Links**

**UniProt:**  
[P15976](#) [Related reagents](#)

**Entrez Gene:**  
[2623](#) GATA1 [Related reagents](#)

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**Synonyms** ERYF1, GF1

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**Specificity** **Rabbit anti GATA1 antibody** recognizes GATA1, also known as GATA binding factor 1. The protein is a member of the GATA family of transcription factors, which has received its name from binding DNA containing the GATA consensus motif 5'-[AT]GATA[AG]-3' ([uniprot P15976](#)).

GATA1 acts as an erythroid transcription factor by regulating erythroid-specific genes. In addition to that, GATA1 has also been implied to play a role in regulating differentiation of other hematopoietic lineages (including mast cells and megakaryocytes) and endothelial cells ([Orkin 1992](#)).

GATA1 alterations have been implicated in a variety of diseases, including acute megakaryoblastic leukemia (AMKL) associated with Trisomy 21 and thrombocytopenia ([Ciovacco et al. 2008](#)).

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**Western Blotting** Rabbit anti GATA1 antibody recognizes a band of approximately 43 kDa in NCCT cell lysate, NTERRA cell lysate and K562 cell lysate.

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**Storage** This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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**Guarantee** 12 months from date of despatch

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**Health And Safety** Material Safety Datasheet documentation #10048 available at:

**Information** 10048: <https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

### Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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