

## Datasheet: AHP2401

**BATCH NUMBER 160223**

<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.**

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	<p>Reacts with: Mouse</p> <p><b>N.B.</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.</p>
<b>Product Form</b>	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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<b>Buffer Solution</b>	Phosphate buffered saline
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<b>Preservative</b>	0.05% Sodium Azide (NaN <sub>3</sub> )
<b>Stabilisers</b>	1 mg/ml Bovine Serum Albumin 30% Glycerol

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<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
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<b>Immunogen</b>	N-terminal truncated human recombinant protein
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<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P15976</a> <a href="#">Related reagents</a>
	<b>Entrez Gene:</b> <a href="#">2623</a> GATA1 <a href="#">Related reagents</a>

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<b>Synonyms</b>	ERYF1, GF1
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<b>Specificity</b>	<p><b>Rabbit anti GATA1 antibody</b> 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' (<a href="#">uniprot P15976</a>).</p> <p>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 (<a href="#">Orkin 1992</a>).</p> <p>GATA1 alterations have been implicated in a variety of diseases, including acute megakaryoblastic leukemia (AMKL) associated with Trisomy 21 and thrombocytopenia (<a href="#">Ciovacco et al. 2008</a>).</p>
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<b>Western Blotting</b>	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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<b>Storage</b>	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety</b>	Material Safety Datasheet documentation #10048 available at:
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**Information** <https://www.bio-rad-antibodies.com/SDS/AHP240110048>

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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](#)

### Recommended Useful Reagents

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

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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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)  
'M337133:181217'

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