

Datasheet: AHP2401

Description:	RABBIT ANTI GATA1
Specificity:	GATA1
Other names:	Eryf1, GATA-1, GATA-binding factor 1
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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	<p>Reacts with: Mouse</p> <p>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.</p>
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.

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃) 1 mg/ml Bovine Serum Albumin 30% Glycerol
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	N-terminal truncated human recombinant protein
External Database Links	UniProt: P15976 Related reagents Entrez Gene: 2623 GATA1 Related reagents
Synonyms	ERYF1, GF1
Specificity	<p>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).</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 (Orkin 1992).</p> <p>GATA1 alterations have been implicated in a variety of diseases, including acute megakaryoblastic leukemia (AMKL) associated with Trisomy 21 and thrombocytopenia (Ciovacco <i>et al.</i> 2008).</p>
Western Blotting	Rabbit anti GATA1 antibody recognizes a band of approximately 43 kDa in NCCT cell lysate, NTERRA cell lysate and K562 cell lysate.
Storage	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Health And Safety	Material Safety Datasheet documentation #10048 available at:

Information <https://www.bio-rad-antibodies.com/SDS/AHP240110048>

Regulatory For research purposes only

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 \(STAR209P\)](#)

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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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