

Datasheet: AHP2401

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|----------------------|--------------------------------------|
| 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.

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|---------------------------------------|---|
| Target Species | Human |
| Species Cross Reactivity | Reacts with: Mouse N.B. Antibody reactivity and working conditions may vary between species. |
| 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 | 0.05% 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

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](#)).

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

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.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10048 available at:
10048: <https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Sheep Anti Rabbit IgG (STAR36...) [DyLight@488](#), [DyLight@680](#), [DyLight@800](#)

Recommended Useful Reagents

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

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