

# GATA1 Antibody

Rabbit mAb

Catalog # AP91274

## Product Information

<b>Application</b>	WB, IHC, IF, ICC, IP, IHF
<b>Primary Accession</b>	<a href="#">P15976</a>
<b>Reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	Erythroid transcription factor; Eryf1; GATA-binding factor 1; GATA-1; GF-1; NF-E1 DNA-binding protein; GATA1; ERYF1; GF1;
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	42751

## Additional Information

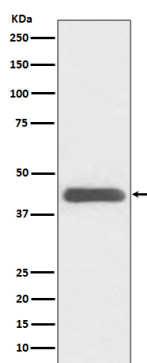
<b>Dilution</b>	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 IP 1:50 ChIP
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human GATA1
<b>Description</b>	GATA-1 is the founding member of the GATA family and is required for erythroid and megakaryocytic cell development. Mutations in GATA-1 have been linked to many human diseases, including acute megakaryoblastic leukemia in Down syndrome children (DS-AMKL), X-linked thrombocytopenia, and gray platelet syndrome.
<b>Storage Condition and Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

## Protein Information

<b>Name</b>	GATA1
<b>Synonyms</b>	ERYF1, GF1
<b>Function</b>	Transcriptional activator or repressor which serves as a general switch factor for erythroid development (PubMed: <a href="#">35030251</a> ). It binds to DNA sites with the consensus sequence 5'-[AT]GATA[AG]-3' within regulatory regions of globin genes and of other genes expressed in erythroid cells. Activates the transcription of genes involved in erythroid differentiation of K562 erythroleukemia cells, including HBB, HBG1/2, ALAS2 and HMBS (PubMed: <a href="#">24245781</a> ).
<b>Cellular Location</b>	Nucleus.
<b>Tissue Location</b>	Erythrocytes..

## Images

---



Western blot analysis of GATA1 expression in K562 cell lysate.

Image not found : 202311/AP91274-IHC.jpg

Immunohistochemical analysis of paraffin-embedded mouse spleen, using GATA1 Antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.