

**GATA1 Antibody**  
**Rabbit mAb**  
**Catalog # AP91274****Specification**

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**GATA1 Antibody - Product Information**

Application	WB, IHC, ICC, IP, CHIP
Primary Accession	<a href="#">P15976</a>
Clonality	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;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	42751 Da

**GATA1 Antibody - Additional Information**

Dilution	WB~~1:1000 IHC~~1:100~500 ICC~~N/A IP~~N/A CHIP~~N/A
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human GATA1
Description	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.
Storage Condition and Buffer	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.

**GATA1 Antibody - Protein Information**

**Name** GATA1

**Synonyms** ERYF1, GF1

**Function**

Transcriptional activator or repressor which serves as a general switch factor for erythroid development (PubMed:<a href="http://www.uniprot.org/citations/35030251" target="\_blank">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="http://www.uniprot.org/citations/24245781" target="\_blank">24245781</a>).

**Cellular Location**

Nucleus.

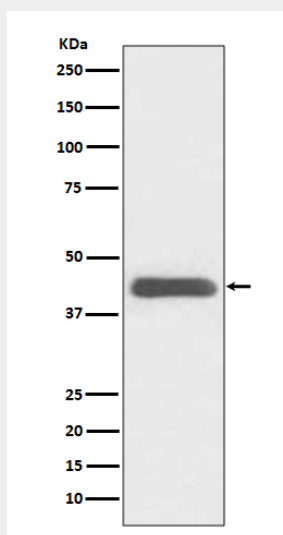
**Tissue Location**

Erythrocytes..

**GATA1 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**GATA1 Antibody - Images**

Western blot analysis of GATA1 expression in K562 cell lysate.