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GATA1 Antibody
Rabbit mAb
Catalog # AP91274

Specification

GATA1 Antibody - Product Information

Application	**WB, IHC, ICC, IP, CHIP**
Primary Accession	P15976
Clonality	**Monoclonal**

Other Names
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

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Transcriptional activator or repressor which serves as a general switch factor for erythroid development (PubMed:35030251). 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:24245781).

Cellular Location
Nucleus.

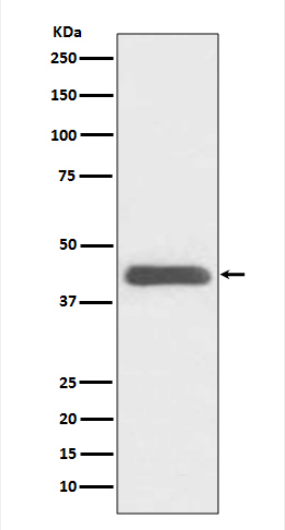
Tissue Location
Erythrocytes..

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 Cytomety
- Cell Culture

GATA1 Antibody - Images



Western blot analysis of GATA1 expression in K562 cell lysate.