

GATA1 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1399a**Specification**

GATA1 Antibody - Product Information

Application	WB, E
Primary Accession	P15976
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	42.7kDa KDa

Description

erythroid specific transcription factor,GATA sequence binding protein (same as EryF1,NF-E1,EF-1,EF gamma-a,GF1),expressed in RBC,mast cell,megakaryocyte,hematopoietic progenitor cell,testis,associated with a special class of nuclear bodies,activated by erythropoietin,inactivated by coactivation of DEATH receptors (TNFRSF6) mediated caspase cleavage Tissue specificity: Erythrocytes

Immunogen

Purified recombinant fragment of human GATA1 expressed in E. Coli.

Formulation

Ascitic fluid containing 0.03% sodium azide.

GATA1 Antibody - Additional Information

Gene ID 2623

Other Names

Erythroid transcription factor, Eryf1, GATA-binding factor 1, GATA-1, GF-1, NF-E1 DNA-binding protein, GATA1, ERYF1, GF1

Dilution

WB~~1/500 - 1/2000

E~~N/A

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

GATA1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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: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 Cytometry](#)
- [Cell Culture](#)

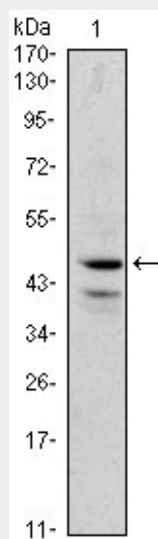
GATA1 Antibody - Images

Figure 1: Western blot analysis using GATA1 mouse mAb against K562 (1) cell lysate.

GATA1 Antibody - References

1. Cancer Res. 2009 Apr 15;69(8):3681-8. 2. J Bone Miner Res. 2009 Dec;24(12):2039-49. 3. Blood. 2010 Jun 3;115(22):4367-76.