

# **GATA-1 Polyclonal Antibody**

Catalog # AP70041

#### **Product Information**

**Application** WB, IHC-P, IF, IP

Primary Accession P15976

Reactivity Human, Mouse, Rat

HostRabbitClonalityPolyclonalCalculated MW42751

### **Additional Information**

**Gene ID** 2623

Other Names GATA1; ERYF1; GF1; Erythroid transcription factor; Eryf1; GATA-binding factor

1; GATA-1; GF-1; NF-E1 DNA-binding protein

**Dilution** WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300.

Immunoprecipitation: 2-5 ug/mg lysate. Immunofluorescence: 1/200 - 1/1000.

ELISA: 1/10000. Not yet tested in other applications. IHC-P~~N/A

IF~~1:50~200 IP~~N/A

Format Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium

azide.

Storage Conditions -20°C

#### **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).

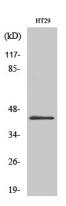
Cellular Location Nucleus.

**Tissue Location** Erythrocytes..

## **Background**

Transcriptional activator or repressor which probably serves as a general switch factor for erythroid development. 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).

## **Images**



Western Blot analysis of various cells using GATA-1 Polyclonal Antibody diluted at 1: 2000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).

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