

GATA-1 Polyclonal Antibody

Catalog # AP70042

Product Information

Application WB Primary Accession P15976

Reactivity Human, Mouse, Rat, Monkey

Host Rabbit
Clonality Polyclonal
Calculated MW 42751

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. ELISA: 1/20000. Not yet tested in other

applications.

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: <u>35030251</u>). 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:<u>24245781</u>).

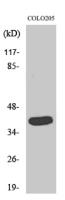
Cellular Location Nucleus.

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'.