

Datasheet for ABIN6255193
anti-GATA1 antibody (pSer310)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	GATA1
Binding Specificity:	pSer310
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GATA1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human GATA1 around the phosphorylation site of Serine 310
Isotype:	IgG
Specificity:	Phospho-GATA1 (Ser310) Antibody detects endogenous levels of GATA1 only when phosphorylated at Serine 310
Cross-Reactivity:	Human, Mouse (Murine), Rat (Rattus)
Purification:	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.

Target Details

Target:	GATA1
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Target Details

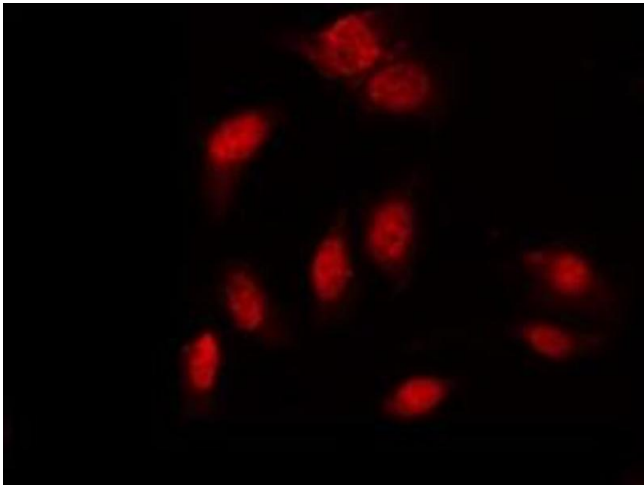
Alternative Name:	GATA1 (GATA1 Products)
Background:	<p>Description: Transcriptional activator or repressor which probably serves as a general switch factor for erythroid development. It binds to DNA sites with the consensus sequence 5'-[AT]GATA[AG]-3' within regulatory regions of globin genes and of 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).</p> <p>Gene: GATA1</p>
Molecular Weight:	43kDa
Gene ID:	2623
UniProt:	P15976
Pathways:	Cellular Response to Molecule of Bacterial Origin

Application Details

Application Notes:	WB 1:500-1:2000, IF/ICC 1:100-1:500
Restrictions:	For Research Use only

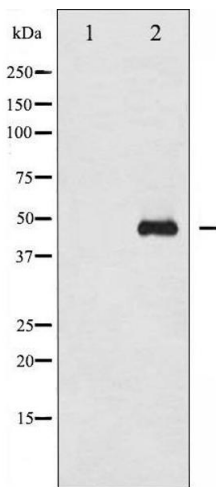
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C.Stable for 12 months from date of receipt
Expiry Date:	12 months



Immunofluorescence (fixed cells)

Image 1. ABIN6267396 staining K562 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



Western Blotting

Image 2. Western blot analysis of GATA1 phosphorylation expression in EPO treated COS7 whole cell lysates, The lane on the left is treated with the antigen-specific peptide.