

Product Datasheet

GATA-1 Antibody NB100-2443

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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NB100-2443**GATA-1 Antibody**

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

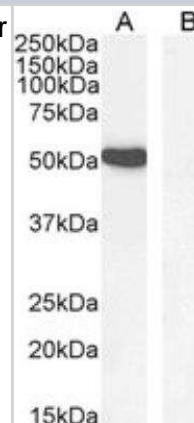
Product Description	
Host	Goat
Gene ID	2623
Gene Symbol	GATA1
Species	Human, Mouse
Immunogen	Peptide with sequence C-DAEAYRHSPVFQ corresponding to internal region according to NP_002040.1.

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Peptide ELISA
Recommended Dilutions	Western Blot 0.3 - 1 ug/mL, Flow Cytometry 10 ug/mL, Immunocytochemistry/ Immunofluorescence 10 ug/mL, Peptide ELISA Detection limit 1:16000
Application Notes	Western blot: Approx 50-55 kDa band observed in nuclear lysates of cell line K562 calculated MW of 42.8 kDa according to NP_002040.1).

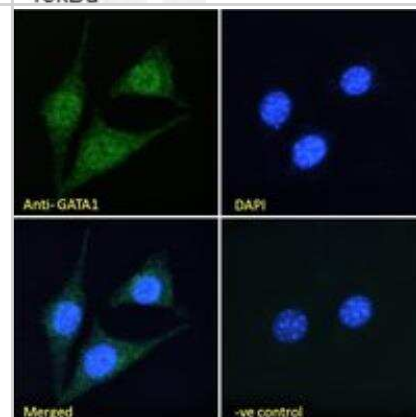


Images

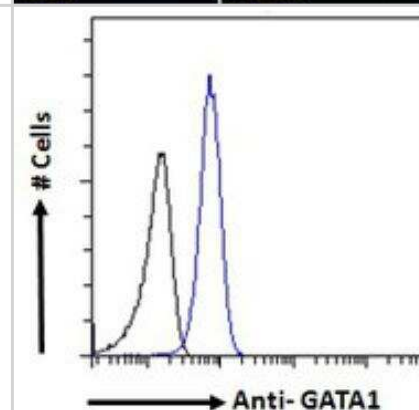
Western Blot: GATA-1 Antibody [NB100-2443] - Staining of K562 nuclear cell lysate (A) and negative control Human Hippocampus (B) lysate (35 ug protein in RIPA buffer). Antibody at 1 ug/mL. Detected by chemiluminescence.



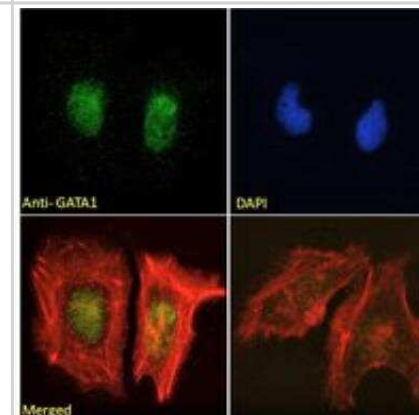
Immunocytochemistry/Immunofluorescence: GATA-1 Antibody [NB100-2443] - Analysis of paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).



Flow Cytometry: GATA-1 Antibody [NB100-2443] - Analysis of paraformaldehyde fixed K562 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (1 ug/mL). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



Immunocytochemistry/Immunofluorescence: GATA-1 Antibody [NB100-2443] - Analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing nuclear staining. Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).



Publications

Li Z, Godinho FJ, Klusmann JH et al. Developmental stage-selective effect of somatically mutated leukemogenic transcription factor GATA1. Nat Genet 2005-06-01 [PMID: 15895080]



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Products Related to NB100-2443

NB820-59174	Blood Leukocyte Whole Cell Lysate
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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