

# GATA1 Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	N-terminal truncated human recombinant protein
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS with 1mg/mL BSA, 30% glycerol
Contains	0.05% sodium azide
Storage conditions	-20°C
RRID	AB_2539869

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:1,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:500	-
Immunocytochemistry (ICC/IF)	1:50-1:500	-

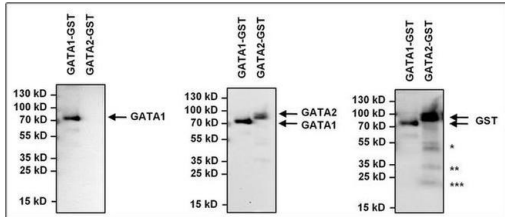
## Product Specific Information

PA1-099 specifically detects GATA1 and does not cross-react with GATA2 or GATA3.

Product Images For GATA1 Polyclonal Antibody

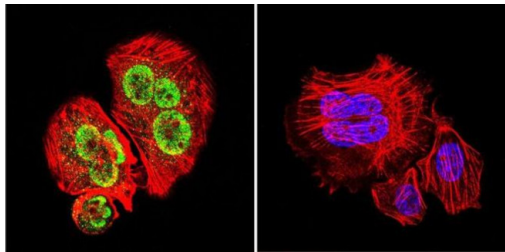
GATA1 Antibody (PA1-099) in WB

Western blot analysis of GATA1 was performed by loading 100 ng of GST-tagged human GATA1 and GATA2 recombinant proteins and 10 µL PageRuler Plus Prestained Protein Ladder (Product # 26619) per well onto a 4-20% Tris-Glycine polyacrylamide gel (Product # WT4202BOX ). Proteins were transferred to a PVDF membrane using the G2 Fast Blotter (Product # 62288) and blocked with SuperBlock T20 blocking buffer (Product # 37536) in TBST for 1 hour at room temperature. GATA1-GST fusion pprotein was detected at ~70 kD using an GATA1 rabbit polyclonal antibody (Product # PA1-099) (left panel), stripped, and reprobed with GATA1 and GATA2 rabbit polyclonal antibodies (middle panel). Blots were stripped again and reprobed with a GST-tag (right panel) polyclonal antibody. All antibodies were used at a dilution of 1:1000 in blocking buffer overnight at 4°C or for 1 hour at room temperature on a rocking platform, followed by a Goat anti-Rabbit IgG (H+L) Secondary Antibody, HRP conjugate (Product # 31460) at a dilution of 1:20,000 for 1 hour at room temperature. Recombinant GST-fusion protein breakdown bands are indicated in the right panel. Chemiluminescent detection was performed using SuperSignal West Pico (Product # 34080). Images were acquired on a Thermo Scientific myECL Imager (Product # 62236).



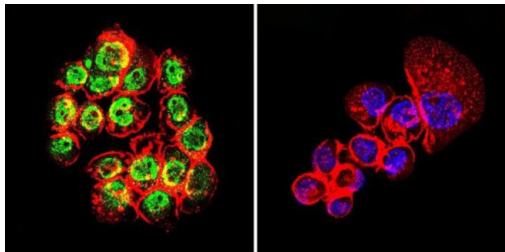
GATA1 Antibody (PA1-099) in ICC/IF

Immunofluorescent analysis of GATA1 (green) showing staining in U251 cells (right) compared to a negative control without primary antibody (left). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with a GATA1 polyclonal antibody (Product # PA1-099) in 3% BSA-PBS at a dilution of 1:100 and incubated overnight at 4°C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. F-actin (red) was stained with a fluorescent red phalloidin and nuclei (blue) were stained with Hoechst or DAPI. Images were taken at a magnification of 60x.



GATA1 Antibody (PA1-099) in ICC/IF

Immunofluorescent analysis of GATA1 (green) showing staining in A431 cells (right) compared to a negative control without primary antibody (left). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with a GATA1 polyclonal antibody (Product # PA1-099) in 3% BSA-PBS at a dilution of 1:100 and incubated overnight at 4°C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. F-actin (red) was stained with a fluorescent red phalloidin and nuclei (blue) were stained with Hoechst or DAPI. Images were taken at a magnification of 60x.



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