

GATA2 Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Published Species	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_2539871

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:1,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:400	-
Immunocytochemistry (ICC/IF)	1:20-1:200	2 Publications

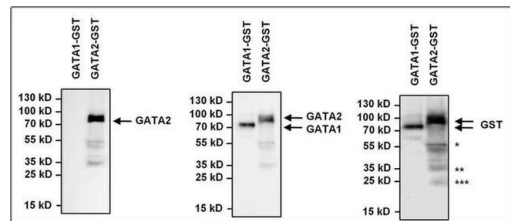
Product Specific Information

PA1-100 specifically detects GATA2 and does not cross-react with GATA1 or GATA3.

Product Images For GATA2 Polyclonal Antibody

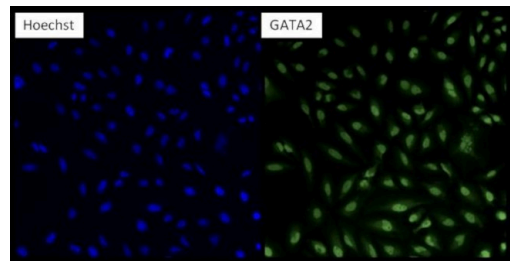
GATA2 Antibody (PA1-100) in WB

Western blot analysis of GATA2 was performed by loading 100 ng of GST-tagged human GATA2 and GATA1 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. GATA2-GST fusion ptrotein was detected at ~80 kD using an GATA2 rabbit polyclonal antibody (Product # PA1-100) (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).



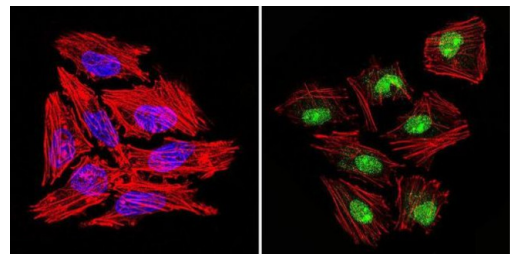
GATA2 Antibody (PA1-100) in ICC/IF

Immunofluorescent analysis of GATA2 (green) in HeLa cells. Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature. Cells were then blocked with 5% normal goat serum (Product # 31873) for 15 minutes at room temperature. Cells were then probed with a rabbit polyclonal antibody recognizing GATA2 (Product # PA1-100) at a dilution of 1:200 for at least 1 hour at 37°C. Cells were then washed with PBS and incubated with DyLight 488 goat-anti-rabbit secondary antibody at a dilution of 1:200 for 30 minutes at room temperature. Nuclei (blue) were stained with Hoechst 33342 dye (Product # 62249). Images were taken on a Thermo Scientific ArrayScan at 10X magnification.



GATA2 Antibody (PA1-100) in ICC/IF

Immunofluorescent analysis of GATA2 (green) in Hela cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes at room temperature and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with a GATA2 polyclonal antibody (Product # PA1-100) at a dilution of 1:200 and incubated overnight in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody for 45 minutes at room temperature in the dark. F-actin (red) was stained with a fluorescent phalloidin and nuclei (blue) were stained with DAPI. Images were taken at a 60X magnification.



View more figures on thermofisher.com

Immunocytochemistry (2)

<p>Nature communications</p> <p>Single-cell RNA-Seq resolves cellular complexity in sensory organs from the neonatal inner ear.</p> <p>"Published figure using GATA2 polyclonal antibody (Product # PA1-100) in Immunofluorescence"</p> <p>Authors: Burns JC,Kelly MC,Hoa M,Morell RJ,Kelley MW</p>	<p>Year 2015</p> <p>Species Mouse</p>
<p>Nature communications</p> <p>Repression of arterial genes in hemogenic endothelium is sufficient for haematopoietic fate acquisition.</p> <p>"Published figure using GATA2 polyclonal antibody (Product # PA1-100) in Immunofluorescence"</p> <p>Authors: Lizama CO,Hawkins JS,Schmitt CE,Bos FL,Zape JP,Cautivo KM,Borges Pinto H,Rhyner AM,Yu H,Donohoe ME,Wythe JD,Zovein AC</p>	<p>Year 2015</p>

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.