

GATA2 Recombinant Polyclonal Antibody (11HCLC)

Product Details	
Size	100 µg
Species Reactivity	Human, Rabbit
Published Species	Human
Host/Isotope	Rabbit / IgG
Class	Recombinant Polyclonal
Type	Antibody
Clone	11HCLC
Conjugate	Unconjugated
Immunogen	Peptide corresponding to amino acids 396–409 of human GATA binding protein 2
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS
Contains	0.09% sodium azide
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2532644

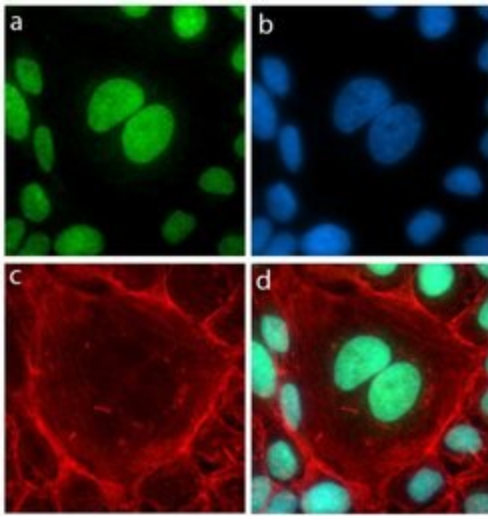
Applications	Tested Dilution	Publications
Immunocytochemistry (ICC)	1-3 µg/mL	-
Immunofluorescence (IF)	1-3 µg/mL	-
Western Blot (WB)	2-5 µg/mL	1 Publication

Product Specific Information

This antibody is predicted to react with equine, non-human primate, mouse, rabbit and rat based on sequence homology.

Recombinant rabbit polyclonal antibodies are unique offerings from Thermo Fisher Scientific. They are comprised of a selection of multiple different recombinant monoclonal antibodies, providing the best of both worlds - the sensitivity of polyclonal antibodies with the specificity of monoclonal antibodies - all delivered with the consistency only found in a recombinant antibody. While functionally the same as a polyclonal antibody - recognizing multiple epitope sites on the target and producing higher detection sensitivity for low abundance targets - a recombinant rabbit polyclonal antibody has a known mixture of light and heavy chains. The exact population can be produced in every lot, circumventing the biological variability typically associated with polyclonal antibody production.

Product Images For GATA2 Recombinant Polyclonal Antibody (11HCLC)

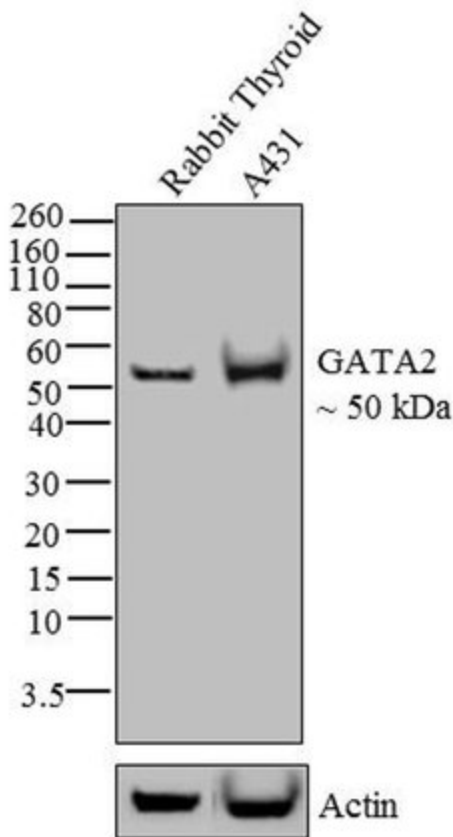


GATA2 Antibody (710242) in IF

Immunofluorescent analysis of GATA2 in U2OS cells using a GATA2 Recombinant Rabbit Polyclonal Antibody (Product # 710242) followed by detection using an Alexa Fluor 488-conjugated Goat anti-Rabbit secondary antibody (green) (Image A). Nuclei were stained using DAPI (Image B) and actin stained with Alexa Fluor 594 phalloidin (red) (image C). Image D is a composite image showing nuclear localization of GATA2.

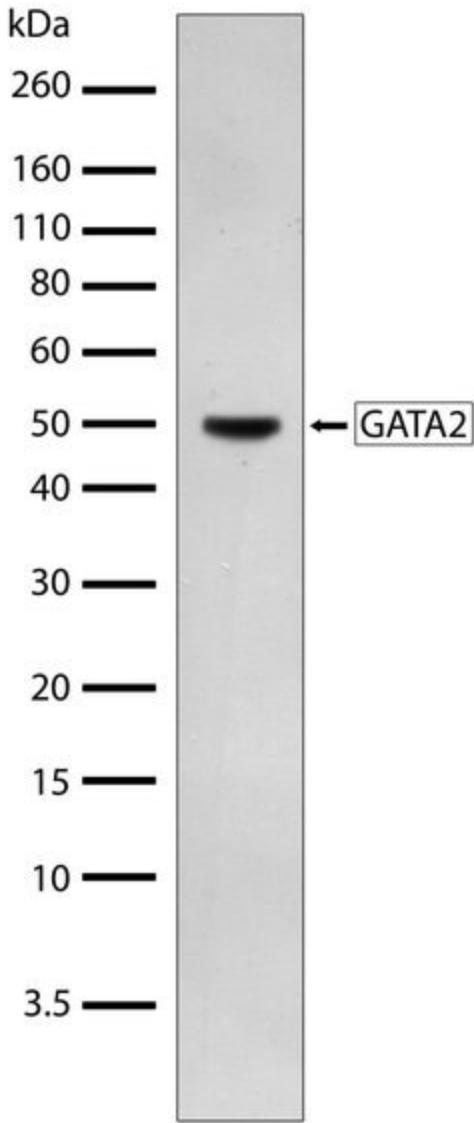
GATA2 Antibody (710242) in WB

Western blot analysis of GATA2 was performed by loading 30 µg of Rabbit Thyroid (lane1) and A431 (lane2) lysate using NuPAGE® Novex® 4-12% Bis-Tris gel (Product # NP0322BOX), XCell SureLock Electrophoresis System (Product # EI0002), Novex® Sharp Pre-Stained Protein Standard (Product # LC5800), and iBlot® Dry Blotting System (Product # IB21001). Proteins were transferred to a nitrocellulose membrane and blocked with 5% skim milk for 1 hour at room temperature. GATA2 was detected at ~50 kDa using GATA2 Recombinant Rabbit Polyclonal Antibody (Product # 710242) at 2-3 µg/mL in 2.5% skim milk at 4°C overnight on a rocking platform. Goat anti-Rabbit IgG - HRP Secondary Antibody (Product # G-21234) at 1:5000 dilution was used and chemiluminescent detection was performed using Pierce™ ECL Western blotting Substrate (Product # 32106).



GATA2 Antibody (710242) in WB

Western blot analysis of GATA2 in K562 whole cell extracts using a GATA2 Recombinant Rabbit Polyclonal Antibody (Product # 710242) at a dilution of 2.5 $\mu\text{g}/\text{mL}$. Samples were detected using chemiluminescence (ECL). Results show a band at $\sim 50\text{kDa}$.



Western Blot (1)

Nature communications

The flavonoid 4,4'-dimethoxychalcone promotes autophagy-dependent longevity across species.

"710242 was used in Western Blotting to identify the flavonoid, 4,4'-dimethoxychalcone, as a natural compound with anti-ageing properties."

Authors: Carmona-Gutierrez D,Zimmermann A,Kainz K,Pietrocola F,Chen G,Maglioni S,Schiavi A,Nah J,Mertel S,Beuschel CB,Castoldi F,Sica V,Trausinger G,Raml R,Sommer C,Schroeder S,Hofer SJ,Bauer MA,Pendl T,Tadic J,Dammbrueck C,Hu Z,Ruckenstuhl C,Eisenberg T,Durand S,Bossut N,Aprahamian F,Abdellatif M,Sedej S,Enot DP,Wolinski H,Dengjel J,Kepp O,Magnes C,Sinner F,Pieber TR,Sadoshima J,Ventura N,Sigrist SJ,Kroemer G,Madeo F

Species
Human

Dilution
1:100

Year
2019

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