

Datasheet for ABIN2777458
anti-GATA2 antibody (N-Term)[5 Images](#)[6 Publications](#)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	GATA2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human GATA2
Sequence:	PYYANPAHAR ARVSYSPAHA RLTGGQMCRP HLLHSPGLPW LDGGKAALSA
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against GATA2. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	GATA2
Alternative Name:	GATA2 (GATA2 Products)

Target Details

Background:	<p>The GATA family of transcription factors, which contain zinc fingers in their DNA binding domain, have emerged as candidate regulators of gene expression in hematopoietic cells is essential for normal primitive and definitive erythropoiesis and is expressed at high levels in erythroid cells, mast cells, and megakaryocytes. GATA2 is expressed in hematopoietic progenitors, including early erythroid cells, mast cells, and megakaryocytes, and also in nonhematopoietic embryonic stem cells.</p> <p>Alias Symbols: DCML, NFE1B, MONOMAC</p> <p>Protein Interaction Partner: NOTCH2NL, KRTAP10-3, KRTAP10-9, KRT40, PRR20A, ADAMTSL4, TRAF1, PSMA3, MDFI, GOLGA2, FHL3, TRIM23, AKT1, BMI1, SPI1, SMAD4, ELAVL1, KAT2A, EP300, MED1, POU1F1, POU2AF1, ZBTB32, ZFPM1, ZBTB16, HDAC5, HDAC3, HHEX, RARA, RXRA, MAPK1, JUN, CEBPA, STAT3, PML,</p> <p>Protein Size: 480</p>
Molecular Weight:	50 kDa
Gene ID:	2624
NCBI Accession:	NM_032638 , NP_116027
UniProt:	P23769
Pathways:	Stem Cell Maintenance

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 480 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

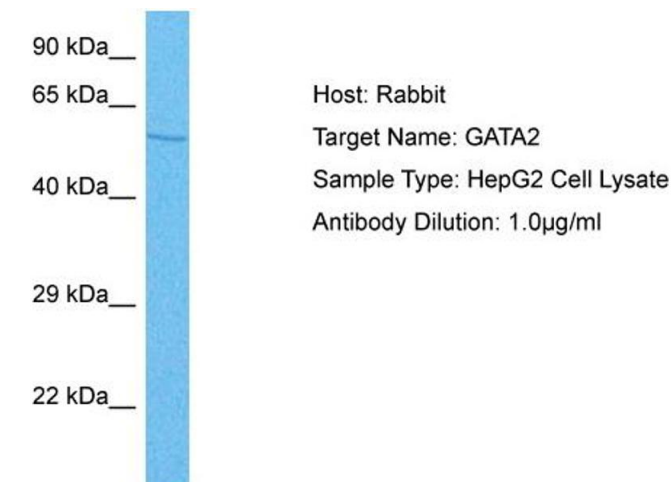
Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

- Product cited in:
- Wang, Zhu, Guo, Dong, Liu, Yin, Zhang, Li, Liu, Ma, Song, He, Wang, Wang, Zhang, Li, Yu: "A regulatory circuit comprising GATA1/2 switch and microRNA-27a/24 promotes erythropoiesis." in: **Nucleic acids research**, Vol. 42, Issue 1, pp. 442-57, (2013) ([PubMed](#)).
- Fujiwara, Yokoyama, Okitsu, Kamata, Fukuhara, Onishi, Fujimaki, Takahashi, Ishizawa, Bresnick, Harigae: "Gene expression profiling identifies HOXB4 as a direct downstream target of GATA-2 in human CD34+ hematopoietic cells." in: **PLoS ONE**, Vol. 7, Issue 9, pp. e40959, (2012) ([PubMed](#)).
- Jack, Crossley: "GATA proteins work together with friend of GATA (FOG) and C-terminal binding protein (CTBP) co-regulators to control adipogenesis." in: **The Journal of biological chemistry**, Vol. 285, Issue 42, pp. 32405-14, (2010) ([PubMed](#)).
- Huang, Niu, Liu, Wang, Sturgis, Wei: "The functional IGFBP7 promoter -418G>A polymorphism and risk of head and neck cancer." in: **Mutation research**, Vol. 702, Issue 1, pp. 32-9, (2010) ([PubMed](#)).
- Mammoto, Connor, Mammoto, Yung, Huh, Aderman, Mostoslavsky, Smith, Ingber: "A mechanosensitive transcriptional mechanism that controls angiogenesis." in: **Nature**, Vol. 457, Issue 7233, pp. 1103-8, (2009) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)

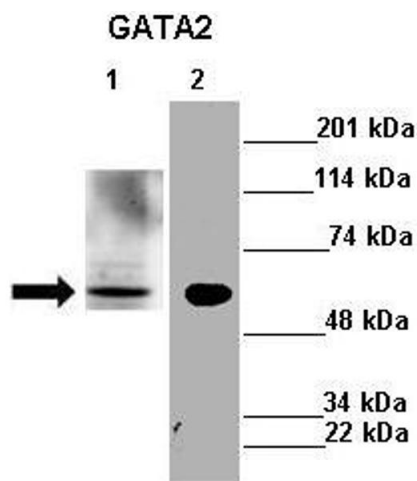
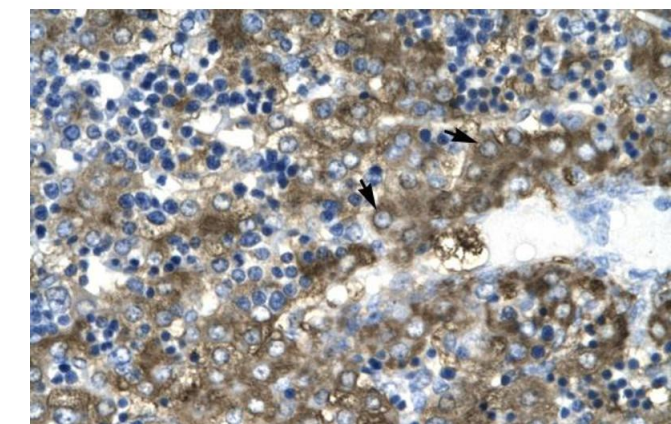


Western Blotting

Image 1. Host: Rabbit Target Name: GATA2 Sample Tissue: Human HepG2 Whole Cell Antibody Dilution: 1 µg/ml

Immunohistochemistry

Image 2. Human Liver



Western Blotting

Image 3. Lanes : Lane 1: 30 µg mouse liver lysate Lane 2: 30 µg mouse N2a cell lysate Primary Antibody Dilution : 1:500 Secondary Antibody : Anti-rabbit-HRP Secondary Antibody Dilution : 1:2500 Gene Name : GATA2 Submitted by : A Kalyani and Vinayak Gupta IIT Madras

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN2777458.