

**Anti-GATA2 Antibody**  
**Catalog # ABO11191****Specification**

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**Anti-GATA2 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P23769</a>
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Endothelial transcription factor GATA-2(GATA2) detection.  
Tested with WB in Human;Mouse;Rat.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-GATA2 Antibody - Additional Information**

**Gene ID** 2624

**Other Names**

Endothelial transcription factor GATA-2, GATA-binding protein 2, GATA2

**Calculated MW**

50500 MW KDa

**Application Details**

Western blot, 0.1-0.5 µg/ml, Human, Rat, Mouse<br>

**Subcellular Localization**

Nucleus.

**Tissue Specificity**

Endothelial cells.

**Protein Name**

Endothelial transcription factor GATA-2

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Thimerosal, 0.05mg NaN<sub>3</sub>.

**Immunogen**

A synthetic peptide corresponding to a sequence at the N-terminus of human GATA2(46-60aa DVFFNHLDSQGNPYY), identical to the related rat and mouse sequences.

**Purification**

Immunogen affinity purified.

**Cross Reactivity**

No cross reactivity with other proteins

**Storage**

**At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.**

**Sequence Similarities**

Contains 2 GATA-type zinc fingers.

**Anti-GATA2 Antibody - Protein Information****Name** GATA2**Function**

Transcriptional activator which regulates endothelin-1 gene expression in endothelial cells. Binds to the consensus sequence 5'- AGATAG-3'.

**Cellular Location**

Nucleus.

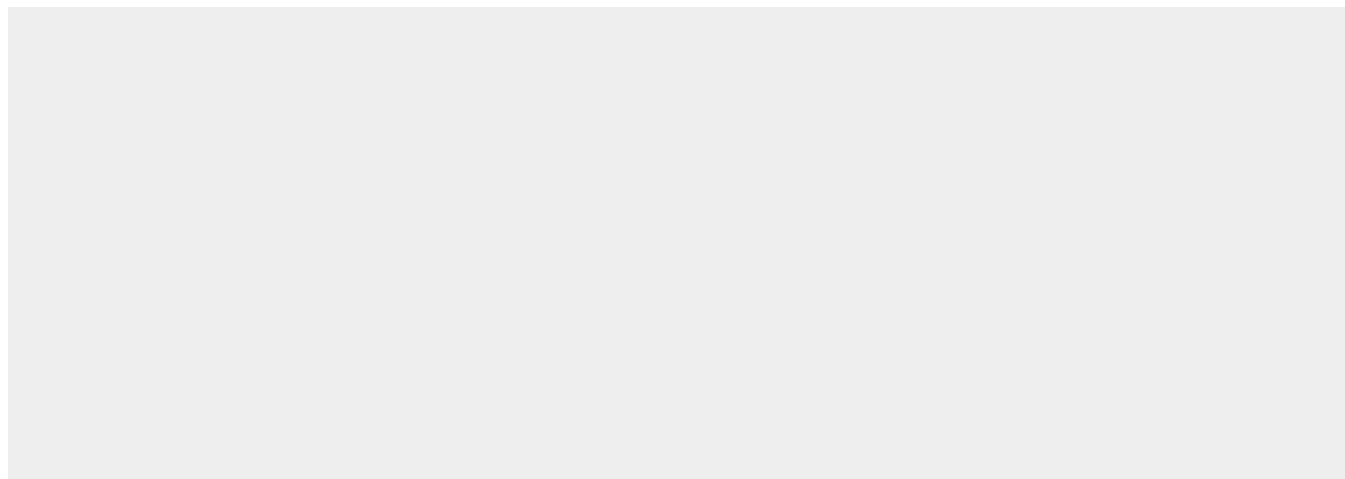
**Tissue Location**

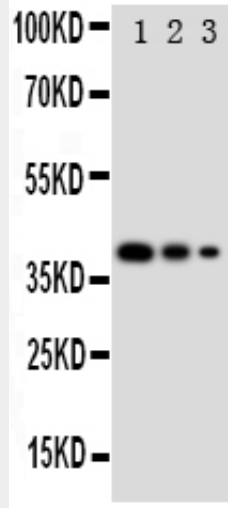
Endothelial cells.

**Anti-GATA2 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-GATA2 Antibody - Images**



Anti-GATA2 antibody, ABO11191, Western blotting Recombinant Protein Detection Source: E.coli derived -recombinant Human GATA2, 38.3KD(162aa tag+ M1-G200) Lane 1: Recombinant Human GATA2 Protein 10ng Lane 2: Recombinant Human GATA2 Protein 5ng Lane 3: Recombinant Human GATA2 Protein 2.5ng

#### Anti-GATA2 Antibody - Background

GATA2(GATA binding protein 2) is a human gene which makes a protein called GATA binding protein 2 - a transcription factor. 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. Ciciotte et al.(1997) mapped the mouse Gata2 gene to chromosome 6 by study of DNA from an interspecific backcross panel. They pointed out that the human gene had been mapped to chromosome 3 by Dorfman et al.(1992) using DNA from a panel of 12 rodent/human hybrids containing various human chromosomes and applying Southern blot analysis. By exon trapping using a PAC contig spanning a breakpoint region associated with myeloid leukemia, Wieser et al.(2000) mapped the GATA2 gene to chromosome 3q21. GATA2 is transcribed from telomere to centromere. GATA2 is expressed in hematopoietic progenitors, including early erythroid cells, mast cells, and megakaryocytes, and also in nonhematopoietic embryonic stem cells.