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Anti-GATA2 Antibody

Catalog # ABO11191

Product Information

Application	WB
Primary Accession	P23769
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.

Additional Information

Gene ID	2624
Other Names	Endothelial transcription factor GATA-2, GATA-binding protein 2, GATA2
Calculated MW	50500
Application Details	Western blot, 0.1-0.5 □g/ml, Human, Rat, Mouse
Subcellular Localization	Nucleus.
Tissue Specificity	Endothelial cells.
Source	Eukaryota
Protein Name	Endothelial transcription factor GATA-2
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
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 r˚Constitution, 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.

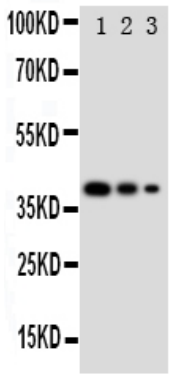
Protein Information

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.

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.

Images



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