GATA Binding Protein 2 (GATA2) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GATA binding protein 2 (GATA2), Polyclonal Antibody
Full Product Name	Rabbit anti-human GATA binding protein 2 polyclonal Antibody
Product Gene Name	anti-GATA2 antibody
Product Synonym Names	GATA binding protein 2; GATA2; FLJ45948; MGC2306; NFE1B
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Antigen Affinity Purified
Molecular Weight	49,106 Da
OMIM	614286
Immunogen	Human GATA2
Storage Buffer	PBS with 0.1% Sodium Azide, 50% Glycerol, pH 7.3. -20 degree C, Avoid freeze / thaw cycles.
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-16044 / sc-1235 / sc-9008
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-GATA2 antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Related Product Information for anti-GATA2 antibody	MBS710436 is an antibody targeting GATA2. Also known as Rabbit anti-human GATA binding protein 2 polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-GATA2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GATA2. It may not necessarily be applicable to this product.

NCBI GI #	30410997
NCBI GeneID	2624
NCBI Accession #	AAH51342.1
UniProt Secondary Accession #	Q53YE0; Q96BH0; Q96BH8; Q9BUJ6; D3DNB3
UniProt Related Accession #	P23769
NCBI Official Full Name	GATA binding protein 2
NCBI Official Synonym Full Names	GATA binding protein 2
NCBI Official Symbol	GATA2
NCBI Official Synonym Symbols	DCML; IMD21; NFE1B; MONOMAC

UniProt Protein Name	Endothelial transcription factor GATA-2
UniProt Synonym Protein Names	GATA-binding protein 2
Protein Family	Endothelial transcription factor
UniProt Gene Name	GATA2
UniProt Entry Name	GATA2_HUMAN
NCBI Protein Information	endothelial transcription factor GATA-2
NCBI Summary for GATA2	This gene encodes a member of the GATA family of zinc-finger transcription factors that are named for the consensus nucleotide sequence they bind in the promoter regions of target genes. The encoded protein plays an essential role in regulating transcription of genes involved in the development and proliferation of hematopoietic and endocrine cell lineages. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Mar 2009]
UniProt Comments for GATA2	GATA2: Transcriptional activator which regulates endothelin-1 gene expression in endothelial cells. Binds to the consensus sequence 5'-AGATAG-3'. Endothelial cells. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Transcription factor Chromosomal Location of Human Ortholog: 3q21.3 Cellular Component: nucleoplasm; protein complex Molecular Function: protein binding; zinc ion binding; chromatin binding; transcription factor binding; transcription factor activity Biological Process: inner ear morphogenesis; embryonic placenta development; transcription, DNA-dependent; somatic stem cell maintenance; positive regulation of erythrocyte differentiation; cell maturation; regulation of histone acetylation; negative regulation of transcription from RNA polymerase II promoter; cell fate determination; negative regulation of fat cell differentiation; phagocytosis; positive regulation of angiogenesis; cell differentiation in hindbrain; negative regulation of macrophage differentiation; pituitary gland development; homeostasis of number of cells within a tissue; commitment of a neuronal cell to a specific type of neuron in the forebrain; ventral spinal cord interneuron differentiation; positive regulation of phagocytosis; negative regulation of Notch signaling pathway; positive regulation of transcription from RNA polymerase II promoter; positive regulation of megakaryocyte differentiation; blood coagulation; urogenital system development; central nervous system neuron development Disease: Lymphedema, Primary, With Myelodysplasia; Immunodeficiency 21; Myelodysplastic Syndrome
Research Articles on GATA2	**1.** low-GATA2-expressing specimens (GATA2(low)) exhibit allele-specific expression (ASE) (skewing) in more than half of acute myeloid leukemia patients.
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