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GATA2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant GATA2.
Catalog # AT2157a

Product Information

Application	WB, IF, E
Primary Accession	P23769
Other Accession	BC018988
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2D11
Calculated MW	50500

Additional Information

Gene ID	2624
Other Names	Endothelial transcription factor GATA-2, GATA-binding protein 2, GATA2
Target/Specificity	GATA2 (AAH18988, 1 a.a. ~ 102 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	GATA2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

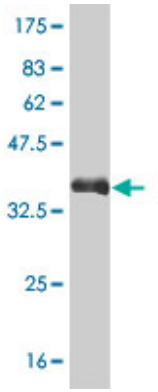
This gene encodes a member of the GATA family of zinc-finger transcription factors that are named for the consensus nucleotide sequence they bind in the promoter regions of target genes. The encoded protein plays an essential role in regulating transcription of genes involved in the development and proliferation of hematopoietic and endocrine cell lineages. Alternative splicing results in multiple transcript variants.

References

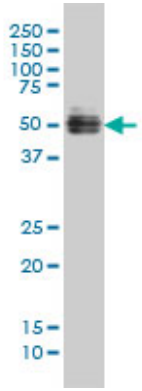
Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.Acetylation of lysine 564 adjacent to the C-terminal binding

protein-binding motif in EVI1 is crucial for transcriptional activation of GATA2. Shimahara A, et al. J Biol Chem, 2010 May 28. PMID 20363750.Discovering hematopoietic mechanisms through genome-wide analysis of GATA factor chromatin occupancy. Fujiwara T, et al. Mol Cell, 2009 Nov 25. PMID 19941826.Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121.The transcription factor GATA-2 does not associate with angiographic coronary artery disease in the Ottawa Heart Genomics and Cleveland Clinic GeneBank Studies. Dandona S, et al. Hum Genet, 2010 Jan. PMID 19885677.

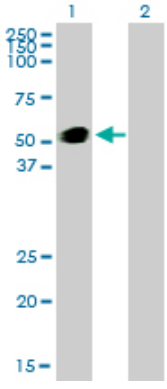
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.96 KDa) .

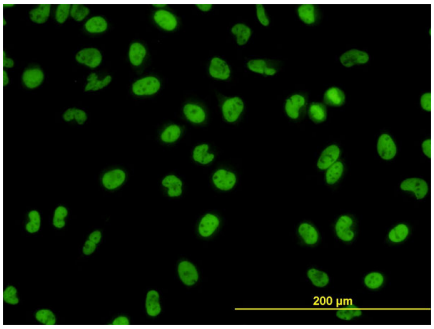


GATA2 monoclonal antibody (M01), clone 2D11 Western Blot analysis of GATA2 expression in Hela S3 NE ((Cat # AT2157a)

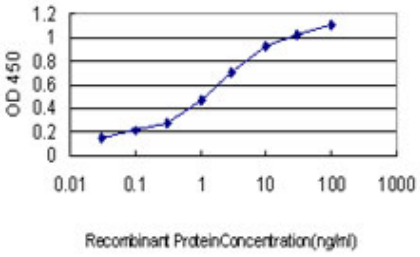


Western Blot analysis of GATA2 expression in transfected 293T cell line by GATA2 monoclonal antibody (M01), clone 2D11.

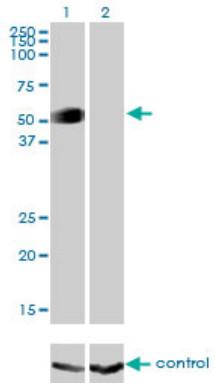
Lane 1: GATA2 transfected lysate(50.5 KDa).
Lane 2: Non-transfected lysate.



Immunofluorescence of monoclonal antibody to GATA2 on HeLa cell. [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged GATA2 is approximately 0.03ng/ml as a capture antibody.



Western blot analysis of GATA2 over-expressed 293 cell line, cotransfected with GATA2 Validated Chimera RNAi ((Cat # AT2157a)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.