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GATA2 Antibody (monoclonal) (M05)

Mouse monoclonal antibody raised against a partial recombinant GATA2.

Catalog # AT2161a

Specification

GATA2 Antibody (monoclonal) (M05) - Product Information

Application	**IF, WB, E**
Primary Accession	P23769
Other Accession	BC018988
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2b Kappa**
Calculated MW	**50500**

GATA2 Antibody (monoclonal) (M05) - 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

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) (M05) is for research use only and not for use in diagnostic or therapeutic procedures.

GATA2 Antibody (monoclonal) (M05) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

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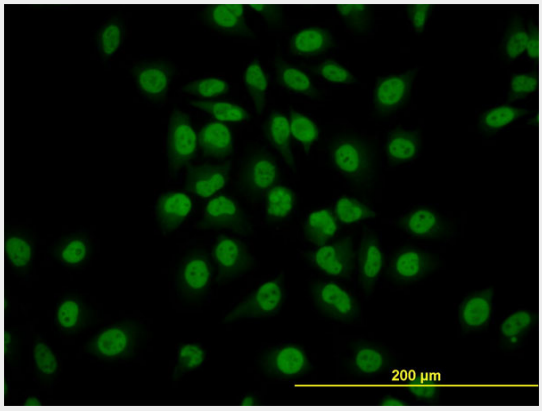
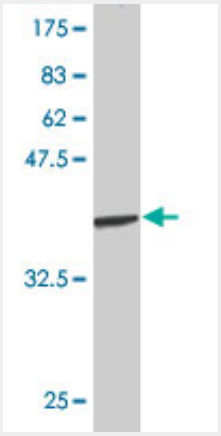
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

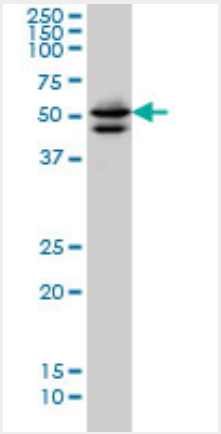
GATA2 Antibody (monoclonal) (M05) - Images



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



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



GATA2 monoclonal antibody (M05), clone 1A5 Western Blot analysis of GATA2 expression in Hela S3 NE ((Cat # AT2161a)

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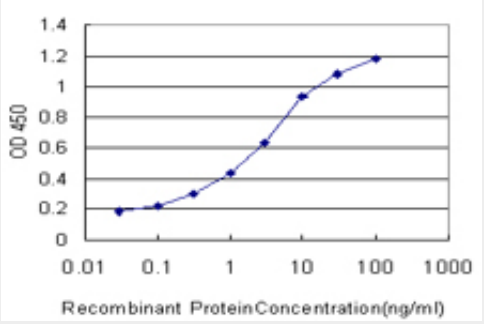

Detection limit for recombinant GST tagged GATA2 is approximately 0.1ng/ml as a capture antibody.

GATA2 Antibody (monoclonal) (M05) - 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.

GATA2 Antibody (monoclonal) (M05) - 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.