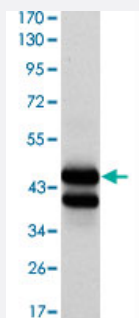


GATA1 monoclonal antibody, clone 4F5

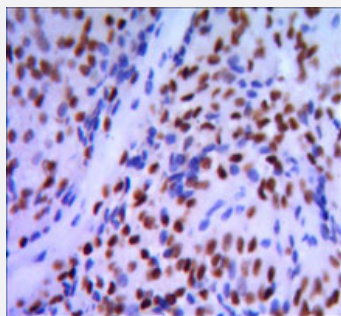
Catalog # MAB10607 Size 100 uL

Applications



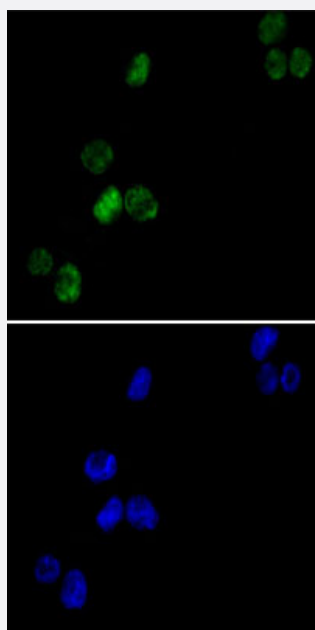
Western Blot (Cell lysate)

Western blot analysis using GATA1 monoclonal antibody, clone 4F5 (Cat # MAB10607) against K-562 cell lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human pancreatic cancer, using GATA1 monoclonal antibody, clone 4F5 (Cat # MAB10607) with DAB staining.



Immunofluorescence

Immunofluorescence analysis of K-562 cells using GATA1 monoclonal antibody, clone 4F5 (Cat # MAB10607) (green). Blue: DRAQ5 fluorescent DNA dye.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant GATA1.
Immunogen	Recombinant protein corresponding to human GATA1.
Host	Mouse
Theoretical MW (kDa)	42.7
Reactivity	Human
Form	Liquid
Isotype	IgG2b
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) Immunofluorescence (1:200-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.03% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis using GATA1 monoclonal antibody, clone 4F5 (Cat # MAB10607) against K-562 cell lysate.

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Immunohistochemical analysis of paraffin-embedded human pancreatic cancer, using GATA1 monoclonal antibody, clone 4F5 (Cat # MAB10607) with DAB staining.

- Immunofluorescence

Immunofluorescence analysis of K-562 cells using GATA1 monoclonal antibody, clone 4F5 (Cat # MAB10607) (green) . Blue: DRAQ5 fluorescent DNA dye.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — GATA1

Entrez GeneID [2623](#)**Gene Name** GATA1**Gene Alias** ERYF1, GF-1, GF1, NFE1**Gene Description** GATA binding protein 1 (globin transcription factor 1)**Omim ID** [190685](#) [300367](#) [305371](#)**Gene Ontology** [Hyperlink](#)

Gene Summary This gene encodes a protein which belongs to the GATA family of transcription factors. The protein plays an important role in erythroid development by regulating the switch of fetal hemoglobin to a adult hemoglobin. Mutations in this gene have been associated with X-linked dyserythropoietic anemia and thrombocytopenia. [provided by RefSeq]

Other Designations GATA binding protein 1|NF-E1 DNA-binding protein|OTTHUMP00000023259|erythroid transcription factor 1|globin transcription factor 1|transcription factor GATA1

Disease

- [Alzheimer disease](#)
- [Cerebral Amyloid Angiopathy](#)
- [Down Syndrome](#)
- [Genetic Predisposition to Disease](#)
- [Leukemia](#)
- [Myeloproliferative Disorders](#)
- [Neuroblastoma](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Thrombocythemia](#)