Best Tools for immunology Research

GATA-1 Monoclonal Antibody

Catalog No :	YM0296
Reactivity :	Human
Applications :	WB;IHC;IF;ELISA
Target :	GATA-1
Gene Name :	GATA1
Protein Name :	Erythroid transcription factor
Human Gene Id :	2623
Human Swiss Prot No :	P15976
Mouse Swiss Prot No :	P17679
Immunogen :	Purified recombinant fragment of human GATA-1 expressed in E. Coli.
Specificity :	GATA-1 Monoclonal Antibody detects endogenous levels of GATA-1 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	WB 1:500 - 1:2000. IHC 1:200 - 1:1000. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	Affinity purification
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	43kD
Cell Pathway :	Protein_Acetylation

P References :

1. Cancer Res. 2009 Apr 15;69(8):3681-8.
2. J Bone Miner Res. 2009 Dec;24(12):2039-49.
3. Blood. 2010 Jun 3;115(22):4367-76.

Background :

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 adult hemoglobin. Mutations in this gene have been associated with X-linked dyserythropoietic anemia and thrombocytopenia. [provided by RefSeq, Jul 2008],

Function :

disease:Defects in GATA1 are the cause of X-linked dyserythropoietic anemia and thrombocytopenia (XDAT) [MIM:300367]. XDAT is a disorder characterized by erythrocytes with abnormal size and shape, and paucity of platelets in peripheral blood. The bone marrow contains abundant and abnormally small megakaryocytes.,disease:Defects in GATA1 are the cause of X-linked thrombocytopenia with beta-thalassemia (XLTT) [MIM:314050]; also called thrombocytopenia, platelet dysfunction, hemolysis, and imbalanced globin synthesis. The disease consists of an unusual form of thrombocytopenia with beta-thalassemia. Patients have splenomegaly and petechiae, moderate thrombocytopenia, prolonged bleeding time due to platelet dysfunction, reticulocytosis and unbalanced (hemo)globin chain synthesis resembling that of beta-thalassemia minor.,domain:The two fingers are functionally distinct and cooperate to achie

Subcellular Location :

Nucleus.

Expression :

Erythrocytes.

Sort :

6475

No4 :

1

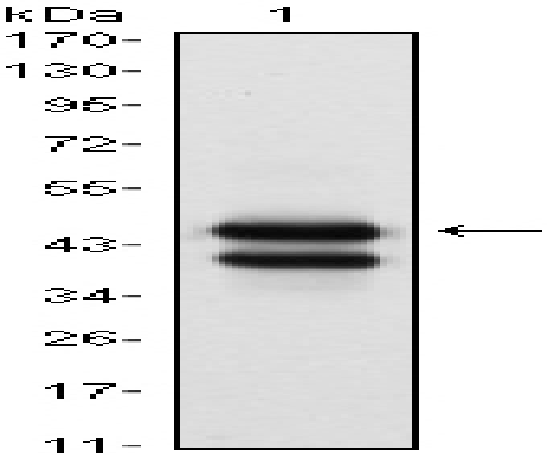
Host :

Mouse

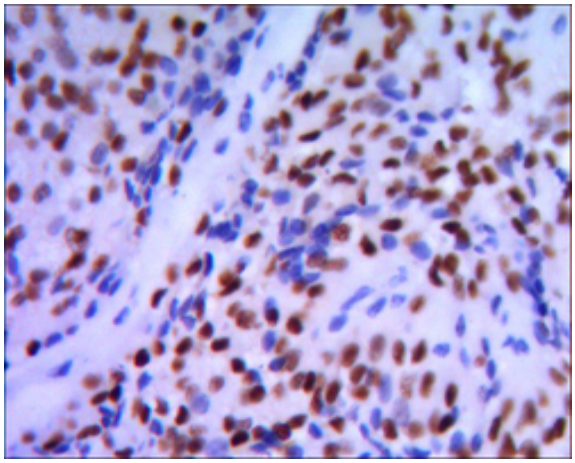
Modifications :

Unmodified

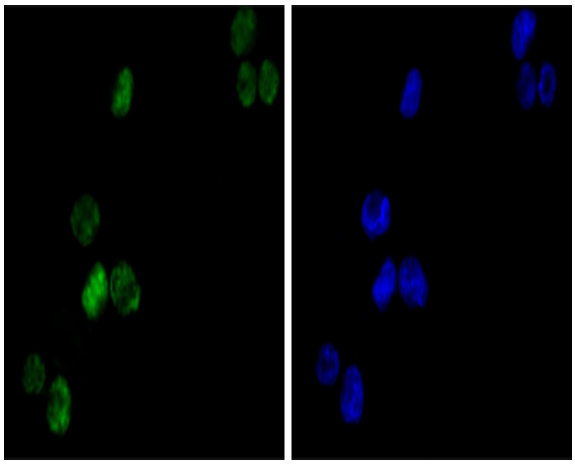
Products Images



Western Blot analysis using GATA-1 Monoclonal Antibody against K562 (1) cell lysate.



Immunohistochemistry analysis of paraffin-embedded pancreatic cancer, with DAB staining using GATA-1 Monoclonal Antibody.



Immunofluorescence analysis of K562(left) cells using GATA-1 Monoclonal Antibody (green). Blue: DRAQ5 fluorescent DNA dye.