Best Tools for immunology Research

GATA-1 (phospho Ser142) Polyclonal Antibody

Catalog No :	YP0952
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;IP;ELISA
Target :	GATA-1
Gene Name :	GATA1
Protein Name :	Erythroid transcription factor
Human Gene Id :	2623
Human Swiss Prot No :	P15976
Mouse Gene Id :	14460
Mouse Swiss Prot No :	P17679
Rat Gene Id :	1.00911e+008
Rat Swiss Prot No :	P43429
Immunogen :	The antiserum was produced against synthesized peptide derived from human GATA1 around the phosphorylation site of Ser142. AA range:109-158
Specificity :	Phospho-GATA-1 (S142) Polyclonal Antibody detects endogenous levels of GATA-1 protein only when phosphorylated at S142.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. Immunoprecipitation: 2-5 ug:mg lysate. ELISA: 1:5000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 40kD

Cell Pathway : Protein_Acetylation

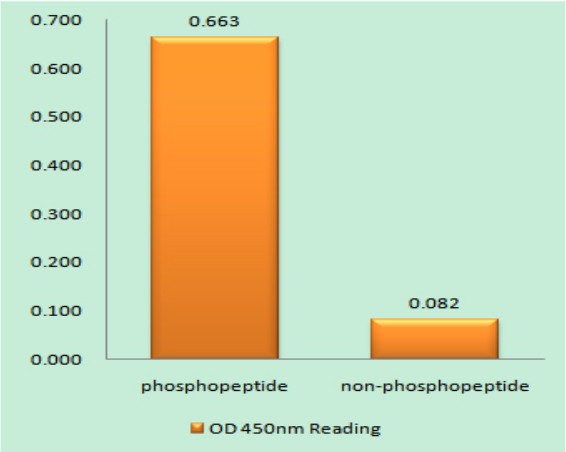
Background : This gene encodes a protein which belongs to the GATA family of transcription factors. The protein plays an important role in erythroid development by regulating the switch of fetal hemoglobin to adult hemoglobin. Mutations in this gene have been associated with X-linked dyserythropoietic 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

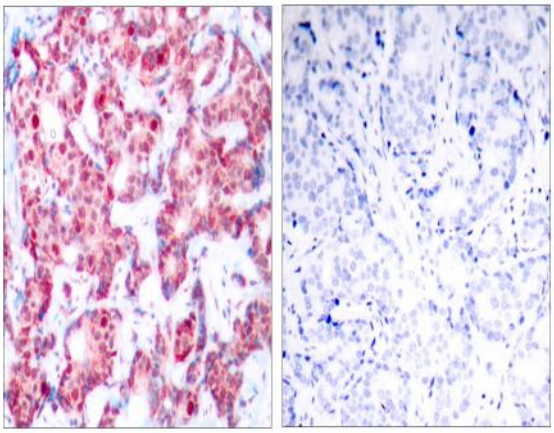
Subcellular Location : Nucleus.

Expression : Erythrocytes.

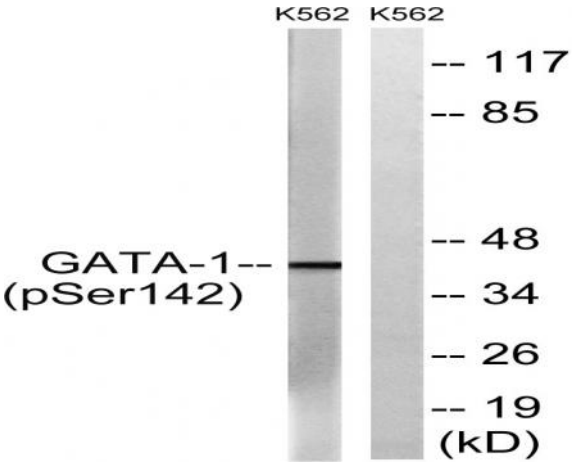
Products Images



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using GATA1 (Phospho-Ser142) Antibody



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using GATA1 (Phospho-Ser142) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from K562 cells, using GATA1 (Phospho-Ser142) Antibody. The lane on the right is blocked with the phospho peptide.