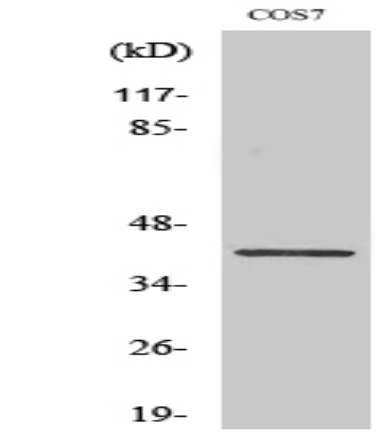
Best Tools for immunology Research

GATA-1 (phospho Ser310) Polyclonal Antibody

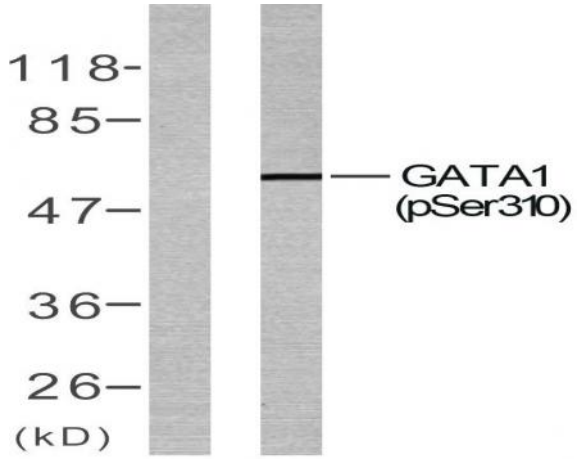
Catalog No :	YP0120
Reactivity :	Human;Mouse;Rat;Monkey
Applications :	WB;ELISA
Target :	GATA-1
Gene Name :	GATA1
Protein Name :	Erythroid transcription factor
Human Gene Id :	2623
Human Swiss Prot No :	P15976
Mouse Gene Id :	14460
Mouse Swiss Prot No :	P17679
Rat Gene Id :	1.00911e+008
Rat Swiss Prot No :	P43429
Immunogen :	The antiserum was produced against synthesized peptide derived from human GATA1 around the phosphorylation site of Ser310. AA range:277-326
Specificity :	Phospho-GATA-1 (S310) Polyclonal Antibody detects endogenous levels of GATA-1 protein only when phosphorylated at S310.
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. ELISA: 1:20000. Not yet tested in other applications.
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)
Molecularweight :	43kD
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



Western Blot analysis of various cells using Phospho-GATA-1 (S310) Polyclonal Antibody diluted at 1:500 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).



Western blot analysis of lysates from COS7 cells treated with EPO, using GATA1 (Phospho-Ser310) Antibody. The lane on the left is blocked with the phospho peptide.