GATA1(Phospho-Ser142) Antibody

Catalog No: #11041

Package Size: #11041-1 50ul #11041-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	GATA1(Phospho-Ser142) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB IHC IF
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of GATA1 only when phosphorylated at serine 142.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 142 (R-L-S(p)-P-D) derived from Human GATA1.
Conjugates	Unconjugated
Target Name	GATA1
Modification	Phospho
Other Names	GAT1; GATA1; GF-1; NF-E1;
Accession No.	Swiss-Prot: P15976NCBI Protein: NP_002040.1
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

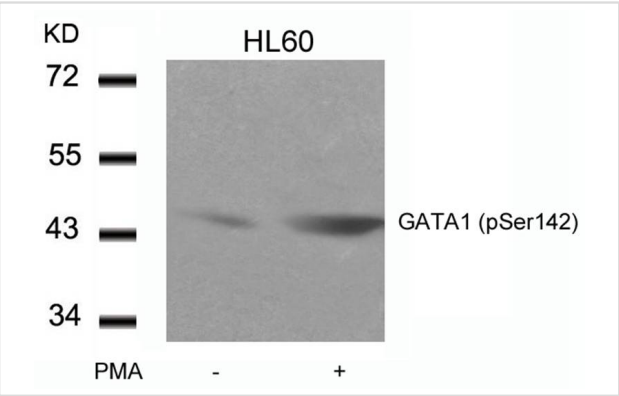
Predicted MW: 43kd

Western blotting: 1:500~1:1000

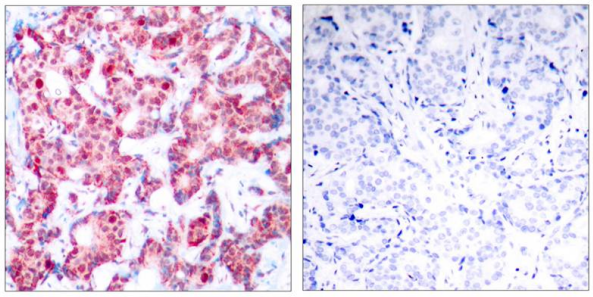
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

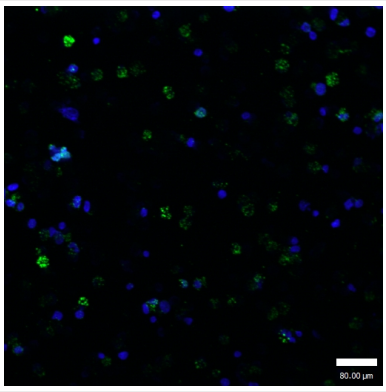
Images



Western blot analysis of extracts from HL60 cells untreated or treated with PMA using GATA1(Phospho-Ser142) Antibody #11041.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using GATA1(Phospho-Ser142) Antibody #11041(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed K562 cells using GATA1 (Phospho-Ser142) Antibody #11041.

Background

GATA1 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.

Zon LI, et al. (1990) Proc Natl Acad. Sci USA. 87: 668-672.

Trainor C D, et al. (1990) Nature. 343: 92-96.

Nichols K E, et al. (2000) Nat Genet. 24: 266-270.

Published Papers

el at., FAM122A Inhibits Erythroid Differentiation through GATA1. In Stem Cell Reports on 2020 Sep 8 by Jing Chen, Qiong Zhou, et al..PMID:32763160, , (2020)

PMID:32763160

Note: This product is for in vitro research use only and is not intended for use in humans or animals.