

For Research Use Only

GATA1 Monoclonal antibody

Catalog Number: 60011-1-Ig

Featured Product

7 Publications



Basic Information

Catalog Number:

60011-1-Ig

Size:

913 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG1350

GenBank Accession Number:

BC009797

GeneID (NCBI):

2623

UNIPROT ID:

P15976

Full Name:

GATA binding protein 1 (globin transcription factor 1)

Calculated MW:

43 kDa

Observed MW:

43 kDa

Purification Method:

Protein G purification

CloneNo.:

5E2A8

Recommended Dilutions:

WB 1:1000-1:8000

IHC 1:400-1:1600

FC 1:50-1:500

Applications

Tested Applications:

FC, IHC, WB, ELISA

Cited Applications:

WB, IP, IF

Species Specificity:

human, mouse, rat, pig

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HL-60 cells, Raji cells, K-562 cells, Jurkat cells

IHC : human breast hyperplasia tissue,

FC : Jurkat cells,

Background Information

GATA1 is first identified as a member of the GATA transcription factor family, whose members bind the consensus (WGATAR) binding motif [PMID:22937757]. GATA1, a zinc finger DNA-binding transcription factor, plays a critical role in the normal development of hematopoietic cell lineages. The protein contains an N-terminal region that confers transcriptional activity and a C-terminal domain that mediates binding to DNA and other factors [PMID: 8524811]. GATA-1 is also implicated in regulating the expression of the erythroid and megakaryocytic-specific genes [PMID:22937757].

Notable Publications

Author	Pubmed ID	Journal	Application
Wenqian Yu	31685800	Cell Death Dis	WB
Xuejun Ge	35644988	J Cell Mol Med	WB
T Michael Creed	31806659	Development	IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

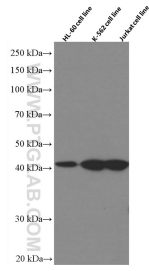
T: 4006900926

E: Proteintech-CN@ptglab.com

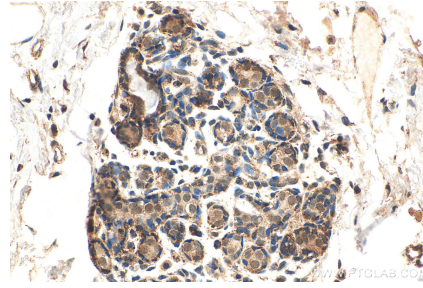
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

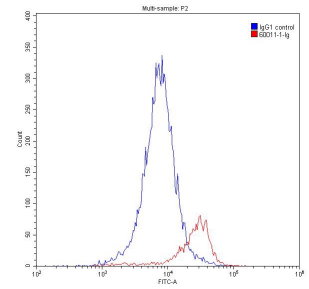
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 60011-1-g (GATA1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast hyperplasia tissue slide using 60011-1-g (GATA1 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1×10^6 Jurkat cells were stained with 0.20ug GATA1 antibody (60011-1-g, red) and control antibody (blue). Fixed with 90% MeOH.