

For Research Use Only

# GATA1 Monoclonal antibody

Catalog Number: 60011-1-Ig

Featured Product

7 Publications



## Basic Information

Catalog Number:

60011-1-Ig

Size:

150ul, Concentration: 913 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;

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 A purification

CloneNo.:

5E2A8

Recommended Dilutions:

WB 1:1000-1:8000

IHC 1:500-1:2000

## Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IF, IP

Species Specificity:

human, mouse, rat

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: mouse testis tissue, rat testis tissue

## 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, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

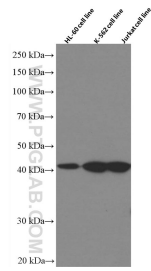
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

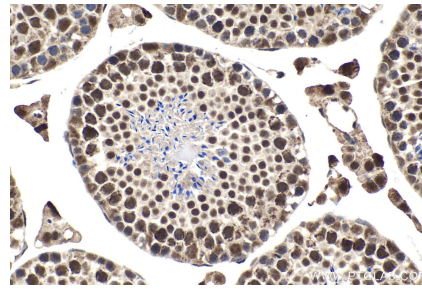
E: proteintech@ptglab.com  
W: ptglab.com

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-Ig (GATA1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 60011-1-Ig (GATA1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).