

For Research Use Only

GATA1 Monoclonal antibody

Catalog Number: 60011-1-Ig **5 Publications**



Basic Information

Catalog Number: 60011-1-Ig	GenBank Accession Number: BC009797	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2623	CloneNo.: 5E2A8
Source: Mouse	Full Name: GATA binding protein 1 (globin transcription factor 1)	Recommended Dilutions: WB 1:1000-1:8000 IHC 1:400-1:1600 FC 1:50-1:500
Isotype: IgG1	Calculated MW: 43 kDa	
Immunogen Catalog Number: AG1350	Observed MW: 43 kDa	

Applications

Tested Applications: FC, IHC, WB, ELISA	Positive Controls: WB : HL-60 cells, Raji cells, K-562 cells, Jurkat cells IHC : human breast hyperplasia tissue, FC : Jurkat cells,
Cited Applications: IF, IP, WB	
Species Specificity: human, mouse, rat, pig	
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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
T Michael Creed	31806659	Development	IF
Yanlin Ren	33875644	Cell Death Discov	WB

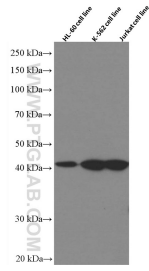
Storage

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

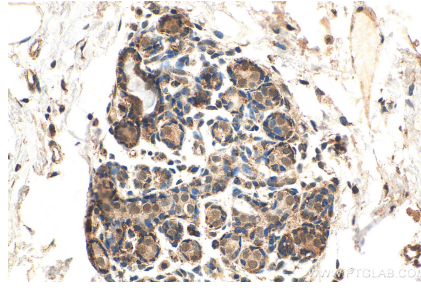
For technical support and original validation data for this product please contact:
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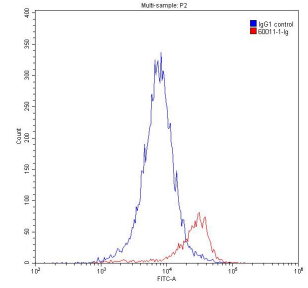
Selected Validation Data



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.