

For Research Use Only

GATA2 Monoclonal antibody

Catalog Number: 67722-1-Ig



Basic Information

Catalog Number:

67722-1-Ig

GenBank Accession Number:

BC018988

Purification Method:

Protein A purification

Size:

150ul, Concentration: 2300 ug/ml by
Nanodrop and 1000 ug/ml by Bradford
method using BSA as the standard;

GeneID (NCBI):

2624

CloneNo.:

2B5A1

Source:

Mouse

ENSEMBL Gene ID:

ENSG00000179348

Recommended Dilutions:

WB 1:1000-1:8000

IF/ICC 1:200-1:800

Isotype:

IgG1

UNIPROT ID:

P23769

Full Name:

GATA binding protein 2

Immunogen Catalog Number:

AG1557

Observed MW:

50 kDa

Applications

Tested Applications:

WB, IF/ICC, FC (Intra), ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HeLa cells, HUVEC cells, LNCaP cells, PC-12 cells,
HepG2 cells, HEK-293 cells, K-562 cells, NIH/3T3 cells,
bEnd.3 cells

IF/ICC : SH-SY5Y cells,

Background Information

GATA2 is a member of GATA family of transcription factors that contains zinc fingers in DNA binding domain. GATA2 acts as a transcriptional activator that regulates endothelin-1 expression in endothelial cells. Together with GATA3, GATA2 regulates adipocyte differentiation through molecular control of the preadipocyte-adipocyte transition. It also affects the activity of Rho inhibitor p190RhoGAP that controls capillary network formation in vitro and retinal angiogenesis in vivo.

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

*** 20ul sizes contain 0.1% BSA

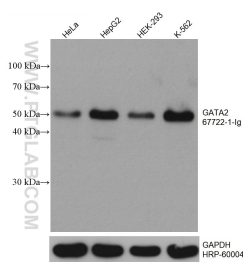
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
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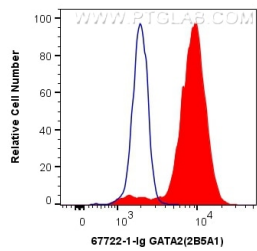
E: proteintech@ptglab.com
W: ptglab.com

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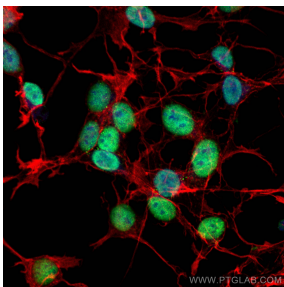
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67722-1-Ig (GATA2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



1X10⁶ K-562 cells were intracellularly stained with 0.5 ug Anti-Human GATA2 (67722-1-Ig, Clone:2B5A1) (red) labeled with FlexAble CoraLite® Plus 555 Antibody Labeling Kit for Mouse IgG1 (KFA022), or 0.5 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunofluorescent analysis of (4% PFA) fixed SH-SY5Y cells using GATA2 antibody (67722-1-Ig, Clone: 2B5A1) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-Phalloidin (red).