

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 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2624	CloneNo.: 2B5A1
Source: Mouse	Full Name: GATA binding protein 2	Recommended Dilutions: WB 1:1000-1:8000 IF 1:200-1:800
Isotype: IgG1	Observed MW: 50 kDa	
Immunogen Catalog Number: AG1557		

Applications

Tested Applications:
FC, IF, WB, ELISA

Species Specificity:
Human, mouse

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 : L02 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 affect 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

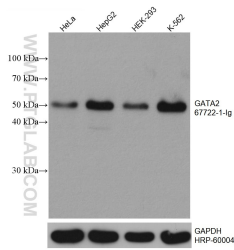
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
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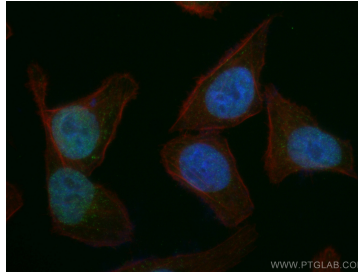
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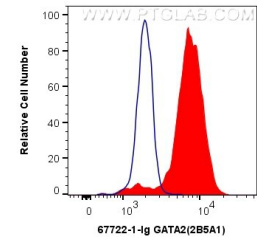
Selected Validation Data



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.



Immunofluorescent analysis of (4% PFA) fixed L02 cells using GATA2 antibody (67722-1-Ig, Clone: 2B5A1) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).



1x10⁶ K-562 cells were intracellularly stained with 0.5 ug Anti-Human GATA2 (67722-1-Ig, Clone: 2B5A1) 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).