

For Research Use Only

# GATA2 Monoclonal antibody, PBS Only



Catalog Number: 67722-1-PBS

## Basic Information

<b>Catalog Number:</b> 67722-1-PBS	<b>GenBank Accession Number:</b> BC018988	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2624	<b>CloneNo.:</b> 2B5A1
<b>Source:</b> Mouse	<b>ENSEMBL Gene ID:</b> ENSG00000179348	
<b>Isotype:</b> IgG1	<b>UNIPROT ID:</b> P23769	
<b>Immunogen Catalog Number:</b> AG1557	<b>Full Name:</b> GATA binding protein 2	
	<b>Observed MW:</b> 50 kDa	

## Applications

**Tested Applications:**  
Indirect ELISA, IF/ICC, WB

**Species Specificity:**  
rat, mouse, human

## 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

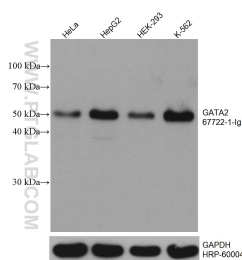
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

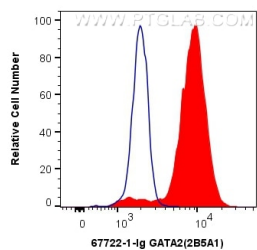
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

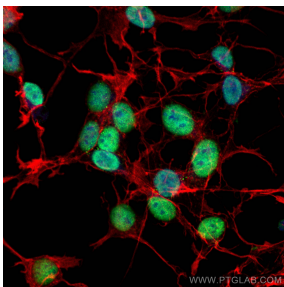
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 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. This data was developed using the same antibody clone with 67722-1-PBS in a different storage buffer formulation.



1X10<sup>6</sup> 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). This data was developed using the same antibody clone with 67722-1-PBS in a different storage buffer formulation.



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 AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-Phalloidin (red). This data was developed using the same antibody clone with 67722-1-PBS in a different storage buffer formulation.