

For Research Use Only

# STAT5A Monoclonal antibody

Catalog Number: 66459-1-Ig **1 Publications**



## Basic Information

<b>Catalog Number:</b> 66459-1-Ig	<b>GenBank Accession Number:</b> BC027036	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 2000 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 6776	<b>CloneNo.:</b> 1F10F6
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P42229	<b>Recommended Dilutions:</b> WB 1:2000-1:16000 IF/ICC 1:200-1:800
<b>Isotype:</b> IgG2a	<b>Full Name:</b> signal transducer and activator of transcription 5A	
<b>Immunogen Catalog Number:</b> AG19546	<b>Calculated MW:</b> 794 aa, 92 kDa	
	<b>Observed MW:</b> 95 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB	<b>WB :</b> RAW 264.7 cells, U-937 cells, rat spleen tissue, pig spleen tissue
<b>Species Specificity:</b> human, mouse, pig, rat	<b>IF/ICC :</b> HepG2 cells,
<b>Cited Species:</b> human	

## Background Information

STAT5A, also named as STAT5, belongs to the transcription factor STAT family. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. STAT5A is activated by, and mediates the responses of many cell ligands, such as IL2, IL3, IL7 GM-CSF, erythropoietin, thrombopoietin, and different GHs. Activation of STAT5A in myeloma and lymphoma associated with a TEL/JAK2 gene fusion is independent of cell stimulus and has been shown to be essential for the tumorigenesis. The mouse counterpart of human STAT5A is found to induce the expression of BCL2L1/BCL-X(L), which suggests the antiapoptotic function of STAT5A in cells.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xinyi Jiang	36927693	J Clin Invest	WB

## Storage

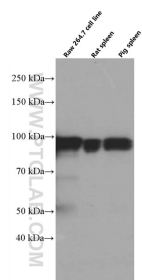
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

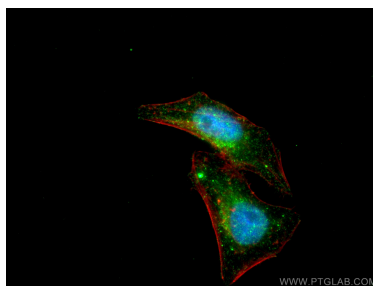
For technical support and original validation data for this product please contact:  
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E: proteintech@ptglab.com  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66459-1-Ig (STAT5A antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using STAT5A antibody (66459-1-Ig, Clone: 1F10F6) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).