

For Research Use Only

# STAT5B Recombinant monoclonal antibody

Catalog Number: 87224-2-RR



## Basic Information

<b>Catalog Number:</b> 87224-2-RR	<b>GenBank Accession Number:</b> BC065227	<b>Purification Method:</b> Protein A purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 6777	<b>CloneNo.:</b> 252436G2
<b>Isotype:</b> IgG	<b>ENSEMBL Gene ID:</b> ENSG00000173757	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000 IF/ICC: 1:200-1:800
	<b>UNIPROT ID:</b> P51692	
	<b>Full Name:</b> signal transducer and activator of transcription 5B	
	<b>Calculated MW:</b> 90 kDa	
	<b>Observed MW:</b> 90 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse, rat	<b>WB :</b> HeLa cells, HepG2 cells, HEK-293 cells, K-562 cells, Jurkat cells, RAW 264.7 cells, PC-12 cells
	<b>IF/ICC :</b> HeLa cells,

## Background Information

STAT5B 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. STAT5B carries out a dual function: signal transduction and activation of transcription. STAT5B mediates the signal transduction triggered by various cell ligands, such as IL2, IL4, CSF1, and different growth hormones. It has been shown to be involved in diverse biological processes, such as TCR signaling, apoptosis, adult mammary gland development, and sexual dimorphism of liver gene expression.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

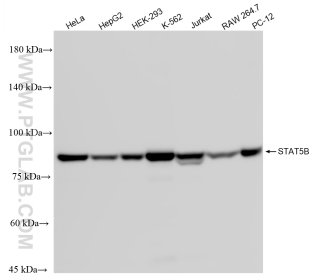
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

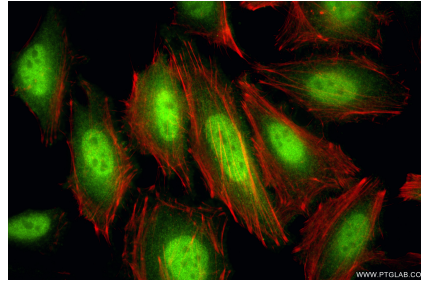
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87224-2-RR (STAT5B antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using STAT5B antibody (87224-2-RR, Clone: 252436G2 ) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).