

À des fins de recherche uniquement

# Anticorps Monoclonal anti-STAT5B

Numéro de catalogue: 66427-1-Ig



## Informations de base

<b>Numéro de catalogue:</b> 66427-1-Ig	<b>Numéro d'acquisition GenBank:</b> BC020868	<b>Méthode de purification:</b> Purification par protéine A
<b>Taille:</b> 150ul, Concentration: 1500 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	<b>Identification du gène (NCBI):</b> 6777	<b>CloneNo.:</b> 1D9B11
<b>Hôte:</b> Mouse	<b>Nom complet:</b> signal transducer and activator of transcription 5B	<b>Dilutions recommandées:</b> WB 1:5000-1:50000 IF 1:400-1:1600
<b>Isotype:</b> IgG2a	<b>MW calculé</b> 787 aa, 90 kDa	
<b>Immunogen Catalog Number:</b> AG2709	<b>MW observés:</b> 90 kDa	

## Applications

<b>Applications testées:</b> FC, IF, WB, ELISA	<b>Contrôles positifs:</b>
<b>Spécificité de l'espèce:</b> Humain	<b>WB :</b> cellules Jurkat, cellules HEK-293 <b>IF :</b> cellules HepG2, cellules HeLa

## Informations générales

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 GH. 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. Despite the 95% homology between the immunogen (Ag2709) and the STAT5A protein, our WB detection showed that this antibody does not recognize the STAT5A fusion protein (Ag19546).

## Stockage

**Stockage:**  
Stocker à -20°C. Stable pendant un an après l'expédition.  
**Tampon de stockage:**  
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3  
L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

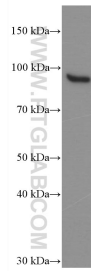
For technical support and original validation data for this product please contact:

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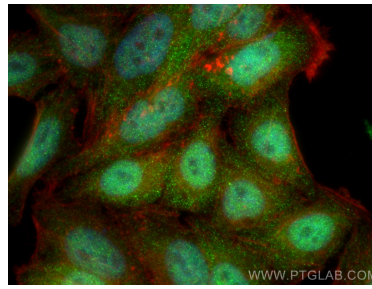
E: proteintech@ptglab.com  
W: ptglab.com

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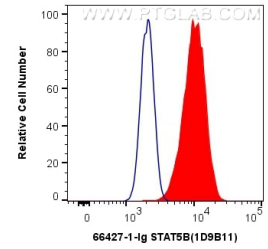
## Données de validation sélectionnées



Jurkat cells were subjected to SDS PAGE followed by western blot with 66427-1-Ig (STAT5B Antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using STAT5B antibody (66427-1-Ig, Clone: 1D9B11) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.5 ug Anti-Human STAT5B (66427-1-Ig, Clone:1D9B11) (red) labeled with FlexAble CoraLite® Plus 555 Antibody Labeling Kit for Mouse IgG2a (KFA042), or 0.5 ug Mouse IgG2a Isotype Control (66360-2-Ig, Clone: K11A1B2A2) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).