

À des fins de recherche uniquement

# Anticorps Monoclonal anti-STAT2

Numéro de catalogue: CL594-66485



## Informations de base

<b>Numéro de catalogue:</b> CL594-66485	<b>Numéro d'acquisition GenBank:</b> BC051284	<b>Méthode de purification:</b> Purification par protéine G
<b>Taille:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>Identification du gène (NCBI):</b> 6773	<b>CloneNo.:</b> 1G12C4
<b>Hôte:</b> Mouse	<b>Nom complet:</b> signal transducer and activator of transcription 2, 113kDa	<b>Dilutions recommandées:</b> IF 1:200-1:800
<b>Isotype:</b> IgG1	<b>MW calculé</b> 851 aa, 98 kDa	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Immunogen Catalog Number:</b> AG10168	<b>MW observés:</b> 113 kDa	

## Applications

<b>Applications testées:</b> FC (Intra), IF	<b>Contrôles positifs:</b> IF : cellules Ramos,
<b>Spécificité de l'espèce:</b> Humain, rat, souris	

## Informations générales

STAT2, also named as p113, belongs to the transcription factor STAT family. It is a signal transducer and activator of transcription that mediates signaling by type I IFNs (IFN-alpha and IFN-beta). Following type I IFN binding to cell surface receptors, Jak kinases (TYK2 and JAK1) are activated, leading to tyrosine phosphorylation of STAT1 and STAT2. The phosphorylated STATs dimerize and associate with ISGF3G/IRF-9 to form a complex termed ISGF3 transcription factor, that enters the nucleus. ISGF3 binds to the IFN stimulated response element (ISRE) to activate the transcription of IF stimulated genes, which drive the cell in an antiviral state. It also interacts with CRSP2, CRSP6, Simian virus 5 protein V, rabies virus phosphoprotein, IFNAR1 and IFNAR2. Its interaction with dengue virus NS5 inhibits the phosphorylation of STAT2, and, when all viral proteins are present (polyprotein), STAT2 is targeted for degradation. The calculated molecular weight of STAT2 is 98 kDa, but phosphorylated STAT2 is about 100-113 kDa.

## Stockage

**Stockage:**  
Stocker à -20 °C. Éviter toute exposition à la lumière. Stable pendant un an après l'expédition.  
**Tampon de stockage:**  
PBS avec glycérol à 50 %, Proclin300 à 0,05 % et BSA à 0,5 %, pH 7,3.  
L'aliquotage n'est pas nécessaire pour le stockage à -20C

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

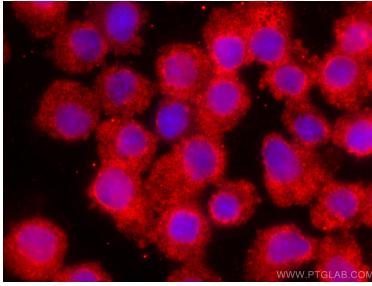
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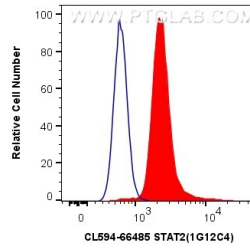
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W: [ptglab.com](http://ptglab.com)

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

## Données de validation sélectionnées



Immunofluorescent analysis of (4% PFA) fixed Ramos cells using CoraLite®594 STAT2 antibody (CL594-66485, Clone: 1G12C4) at dilution of 1:400.



1X10<sup>6</sup> Ramos cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human STAT2 (CL594-66485, Clone:1G12C4) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).