

À des fins de recherche uniquement

Anticorps Monoclonal anti-STAT2

Numéro de catalogue: 66485-1-Ig **2 Publications**



Informations de base

Numéro de catalogue: 66485-1-Ig	Numéro d'acquisition GenBank: BC051284	Méthode de purification: Purification par protéine A
Taille: 150ul , Concentration: 1300 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 6773	CloneNo.: 1G12C4
Hôte: Mouse	Nom complet: signal transducer and activator of transcription 2, 113kDa	Dilutions recommandées: WB 1:1000-1:4000 IHC 1:200-1:800 IF 1:400-1:1600
Isotype: IgG1	MW calculé: 851 aa, 98 kDa	
Immunogen Catalog Number: AG10168	MW observés: 113 kDa	

Applications

Applications testées:

IF, IHC, WB, ELISA

Demandes citées:

IP, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

porc, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) A défaut, 'le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules HeLa, cellules A431, cellules A549, cellules COLO 320, cellules PC-3

IHC : tissu de cancer du sein humain,

IF : cellules Ramos,

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.

Publications notables

Autrice	Pubmed ID	Journal	Application
Huimin Liu	36315588	PLoS Pathog	WB,IP
Boping Jing	36732759	J Nanobiotechnology	WB

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.

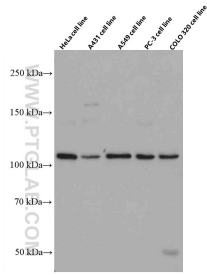
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

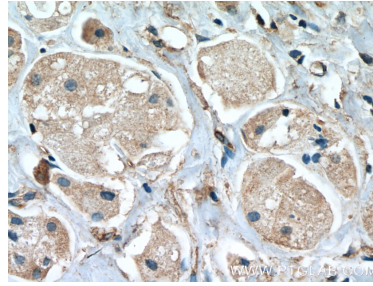
E: proteintech@ptglab.com
W: ptglab.com

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

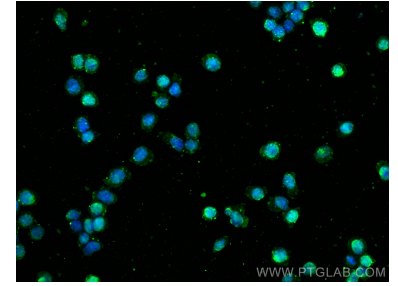
Données de validation sélectionnées



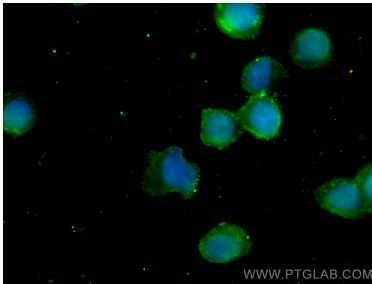
Various lysates were subjected to SDS PAGE followed by western blot with 66485-1-Ig (STAT2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66485-1-Ig (STAT2 antibody) at dilution of 1:400 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



Immunofluorescent analysis of (4% PFA) fixed Ramos cells using STAT2 antibody (66485-1-Ig, Clone: 1G12C4) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed Ramos cells using STAT2 antibody (66485-1-Ig, Clone: 1G12C4) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).