

À des fins de recherche uniquement

Anticorps Monoclonal anti-STAT3

Numéro de catalogue: 60199-1-Ig

Phare

57 Publications



Informations de base

Numéro de catalogue: 60199-1-Ig	Numéro d'acquisition GenBank: BC000627	Méthode de purification: Purification par protéine A
Taille: 150ul , Concentration: 1557 µg/ml by Nanodrop and 1093 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 6774	CloneNo.: 3G2D12
Hôte: Mouse	Nom complet: signal transducer and activator of transcription 3 (acute-phase response factor)	Dilutions recommandées: WB 1:2000-1:20000 IP 0.5-4.0 ug for IP and 1:1000-1:4000 for WB
Isotype: IgG2a	MW calculé 770 aa, 88 kDa	IHC 1:50-1:500 IF 1:50-1:500
Immunogen Catalog Number: AG0360	MW observés: 88 kDa	

Applications

Applications testées:
FC, IF, IHC, IP, WB, ELISA

Demandes citées:
IF, IHC, IP, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, poisson-zèbre, rat, 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, HeLa

IP : cellules HeLa,

IHC : tissu de cancer du col de l'utérus humain, tissu cardiaque humain, tissu de cancer de l'endomètre humain, tissu de cancer du poumon humain, tissu de cancer du sein humain, tissu hépatique humain

IF : cellules HepG2,

Informations générales

Signal transducer and activator of transcription 3 (acute-phase response factor) (STAT3, synonyms: APRF, FLJ20882, MGC16063) is a member of the STAT protein 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. STAT3 is activated through phosphorylation in response to various cytokines and growth factors including IFNs, EGF, IL5, IL6, HGF, LIF and BMP2. STAT3 mediates the expression of a variety of genes in response to cell stimuli, and thus plays a key role in many cellular processes such as cell growth and apoptosis. The small GTPase Rac1 has been shown to bind and regulate the activity of STAT3. This antibody is a mouse monoclonal antibody raised against residues near the N terminus of human STAT3. STAT3 exists three isoforms and the molecular weight of each isoform respectively is 83 kDa, 87 kDa and 88 kDa.

Publications notables

Autrice	Pubmed ID	Journal	Application
Wenbin Pei	34650433	Front Pharmacol	IF
Shaofang Chen	28944901	Mol Med Rep	WB
Bin Zhu	31541631	Biochem Pharmacol	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.

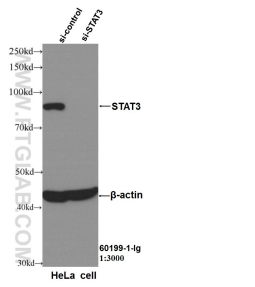
For technical support and original validation data for this product please contact:

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

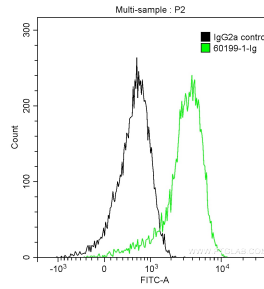
E: proteintech@ptglab.com
W: ptglab.com

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

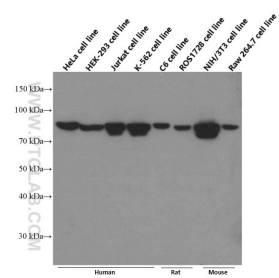
Données de validation sélectionnées



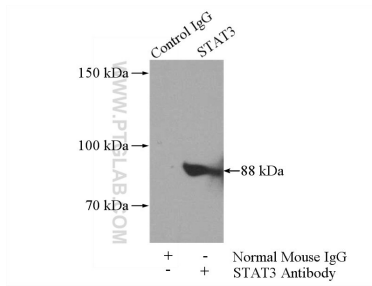
WB result of STAT3 antibody (60199-1-Ig, 1:3000) with si-Control and si-STAT3 transfected HeLa cells.



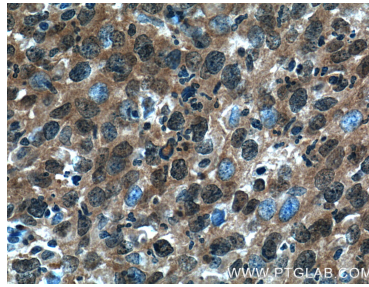
1X10⁶ HepG2 cells were intracellularly stained with 0.5 ug Anti-Human STAT3 (60199-1-Ig, Clone:3G2D12) and Coralite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (green), and 0.5 ug Mouse IgG2a Isotype Control (66360-2-Ig, Clone: K11A1B2A2) (black). Cells were fixed with 4% PFA and permeabilized with 0.1% TritonX-100.



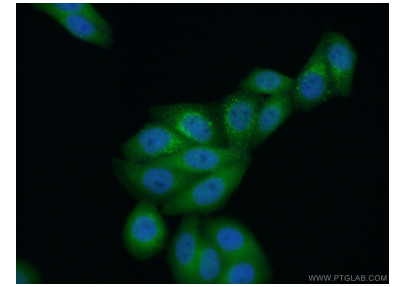
Western blot analysis of STAT3 in various cell lines using Proteintech antibody 60199-1-Ig at dilution of 1:5000 incubated at room temperature for 1.5 hours.



IP Result of anti-STAT3 (IP:60199-1-Ig, 5ug; Detection:60199-1-Ig 1:2000) with HeLa cells lysate 1400ug.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 60199-1-Ig (STAT3 Antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (10% Formaldehyde) fixed HepG2 cells using 60199-1-Ig(STAT3 antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).