

For Research Use Only

Phospho-STAT5A (Ser726)/STAT5B (Ser731) Recombinant antibody

Catalog Number:80138-2-RR



Basic Information

Catalog Number: 80138-2-RR	GenBank Accession Number: BC027036	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 6776	CloneNo.: 240709D6
Source: Rabbit	UNIPROT ID: P42229	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:200-1:800
Isotype: IgG	Full Name: signal transducer and activator of transcription 5A	
	Calculated MW: 794 aa, 92 kDa	
	Observed MW: 90-95 kDa	

Applications

Tested Applications: WB, IF/ICC, FC (Intra), ELISA	Positive Controls:
Species Specificity: human	WB : GM-CSF treated TF-1 cells, IF/ICC : GM-CSF treated TF-1 cells,

Background Information

STAT5 proteins consisting of STAT5A and STAT5B are the main targets of IL-3 signaling. Upon cytokine stimulation, JAK2 phosphorylates STAT5 and the phosphorylated STAT5 proteins dimerize and translocate into the nucleus, where, by binding DNA, they activate target genes including c-fos. In addition to this JAK-catalyzed tyrosine phosphorylation, STAT5 may undergo serine phosphorylation in the carboxy-terminal P(M)SP site in response to prolactin. (PMID: 15795318)

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

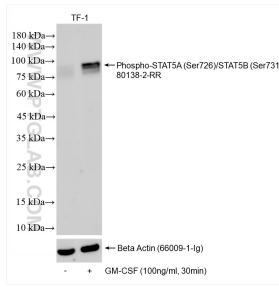
For technical support and original validation data for this product please contact:

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

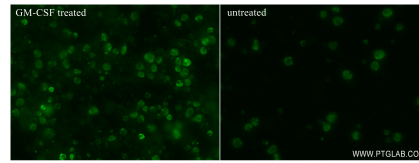
E: proteintech@ptglab.com
W: ptglab.com

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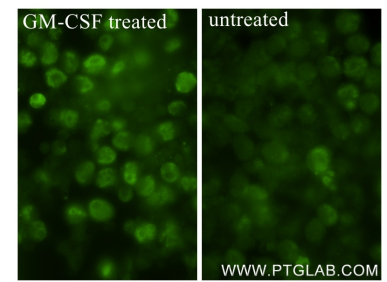
Selected Validation Data



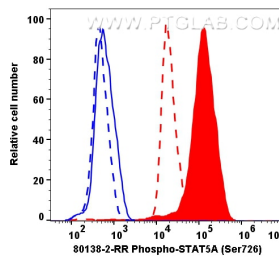
Non-treated and GM-CSF treated TF-1 cells were subjected to SDS PAGE followed by western blot with 80138-2-RR (Phospho-STAT5A (Ser726)/STAT5B (Ser731) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Beta Actin (66009-1-Ig) antibody as a loading control.



Immunofluorescent analysis of (4% PFA) fixed GM-CSF treated TF-1 cells using Phospho-STAT5A (Ser726)/STAT5B (Ser731) antibody (80138-2-RR, Clone: 240709D6) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunofluorescent analysis of (4% PFA) fixed GM-CSF treated TF-1 cells using Phospho-STAT5A (Ser726)/STAT5B (Ser731) antibody (80138-2-RR, Clone: 240709D6) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



1x10⁶ untreated TF-1 cells (dash lines) and 100 nM Calyculin A (30 minutes) treated TF-1 cells (full lines) were intracellularly stained with 0.4 µg Phospho-STAT5A (Ser726)/STAT5B (Ser731) Recombinant antibody (80138-2-RR, Clone: 240709D6, red) and Multi-rAb CoraLite® Plus 647-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (Cat.NO. RGAR005). Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9, blue) was parallel stained