

For Research Use Only

Phospho-STAT5A (Tyr694)/STAT5B (Tyr699) Recombinant antibody, PBS Only

Catalog Number: 80115-1-PBS



Basic Information

Catalog Number:	80115-1-PBS	GenBank Accession Number:	BC027036	Purification Method:	Protein A purification
Size:	1mg/ml	GeneID (NCBI):	6776	CloneNo.:	2P21
Source:	Rabbit	UNIPROT ID:	P42229		
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, FC (Intra), Indirect ELISA

Species Specificity:
human

Background Information

STAT5A, also named as STAT5, 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. STAT5A is activated by, and mediates the responses of many cell ligands, such as IL2, IL3, IL7 GM-CSF, erythropoietin, thrombopoietin, and different GHs. Phosphorylation at Tyr694 is obligatory for Stat5 activation. Activation of STAT5A in myeloma and lymphoma associated with a TEL/JAK2 gene fusion is independent of cell stimulus and has been shown to be essential for the tumorigenesis. The mouse counterpart of human STAT5A is found to induce the expression of BCL2L1/BCL-X(L), which suggests the antiapoptotic function of STAT5A in cells.

Storage

Storage:
Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

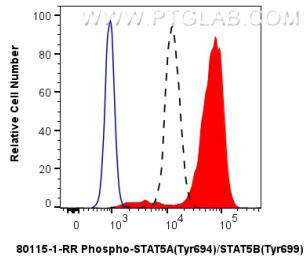
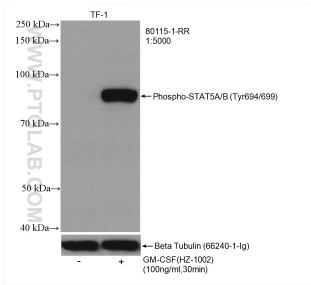
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

Selected Validation Data



Non-treated TF-1 and GM-CSF (HZ-1002) treated TF-1 cells were subjected to SDS PAGE followed by western blot with 80115-1-RR (Phospho-STAT5A (Tyr694)/STAT5B (Tyr699) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Beta Tubulin antibody as loading control. This data was developed using the same antibody clone with 80115-1-PBS in a different storage buffer formulation.

1X10⁶ TF-1 cells untreated (dashed lines) or treated with GM-CSF which intracellularly stained with 0.06 ug Phospho-STAT5A (Tyr694)/STAT5B (Tyr699) Recombinant antibody (80115-1-RR, Clone:2P21) and Coralite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.06 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH. This data was developed

