

For Research Use Only

Phospho-STAT5A (Tyr694)/STAT5B (Tyr699) Monoclonal antibody



Catalog Number: 68000-1-Ig **1 Publications**

Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
68000-1-Ig	BC027036	Protein A purification
Size:	GeneID (NCBI):	CloneNo.:
100ul , Concentration: 1000 µg/ml by Nanodrop;	6776	1F7G5
Source:	Full Name:	Recommended Dilutions:
Mouse	signal transducer and activator of transcription 5A	WB 1:5000-1:50000
Isotype:	Calculated MW:	
IgG2a	794 aa, 92 kDa	
	Observed MW:	
	90 kDa	

Applications

Tested Applications:	Positive Controls:
WB, ELISA	WB : TF-1 cells, GM-CSF treated TF-1 cells
Cited Applications:	
WB	
Species Specificity:	
Human	
Cited Species:	
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 growth hormones. 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. This antibody is a rabbit polyclonal antibody raised against residues near the C terminus of human STAT5A.

Notable Publications

Author	Pubmed ID	Journal	Application
Zixin Liu	37503758	Oncol Rep	WB

Storage

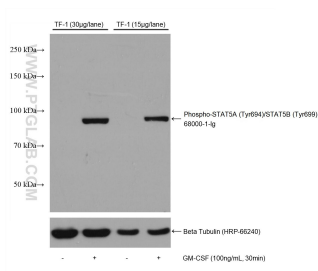
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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)
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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 68000-1-Ig (Phospho-STAT5A (Tyr694)/STAT5B (Tyr699) antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Beta Tubulin antibody as loading control.