For Research Use Only

## STAT4 Monoclonal antibody

Catalog Number:67568-2-lg 2 Publications

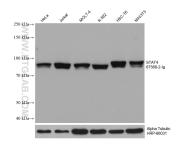


Basic Information	Catalog Number: 67568-2-lg	GenBank Accession Number: BC031212		Purification Method: Protein G purification		
	Size:			CloneNo.: 4A8C9		
	method using BSA as the standard; Source: Mouse Isotype: IgG1 Immunogen Catalog Number: AG19545					
				Recommended Dilutions: WB 1:5000-1:50000 IHC 1:250-1:1000 IF/ICC 1:50-1:500		
					748 aa, 86 kDa	
		Observed MW: 86 kDa				
		Applications	Tested Applications:		Positive Con	ntrols:
WB, IHC, IF/ICC, FC (Intra), ELISA			WB : HeLa cel	ells, 4T1 cells, HEK-293 cells, HepG2 cell		
Cited Applications: WB, IHC, IF			Jurkat cells, I NIH/3T3 cells	cells, MOLT-4 cells, K-562 cells, HSC-T6 cells,		
Species Specificity: human, mouse, rat			IHC : human l cancer tissue	breast cancer tissue, human cervical		
Cited Species: mouse, rat			IF/ICC : HepG2 cells,			
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0						
Background Information	The JAK/STAT pathway is an extensiv proteins with a common structure con STAT dimers, followed by a DNA-binc involved in association between STA	nsisting of an N-termina ding domain and a C-te	ıl oligomerizat rminal SRC hor 22383755]. Sig	ion domain, which favors formatic nology-2 (SH2) domain, which is mal Transducer and Activator of		
	Transcription 4 (STAT4) is a transcript differentiation and IFN-γ production					
Notable Publications	differentiation and IFN-y production [			Application	1	
Notable Publications	differentiation and IFN-y production [ Author Pub	[PMID:21998209]. med ID Journa			I	
Notable Publications	differentiation and IFN-y production [ Author Pub Jiannan Zhou 385	[PMID:21998209]. med ID Journa 74973 Free R	al	Application	1	

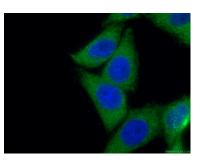
For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll freeE: proteintech@ptglab.comin USA), or 1(312) 455-8498 (outside USA)W: ptglab.com

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

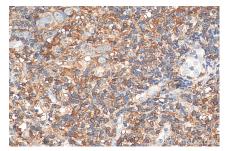
## Selected Validation Data



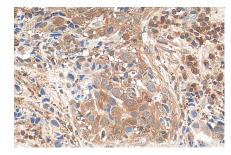
Various lysates were subjected to SDS PAGE followed by western blot with 67568-2-lg (STAT4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



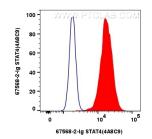
Immunofluorescent analysis of (4% PFA) fixed HepC2 cells using 67568-2-Ig (STAT4 antibody), at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunohistochemical analysis of paraffinembedded human breast cancer tissue slide using 67568-2-1g (STAT4 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human breast cancer tissue slide using 67568-2-Ig (STAT4 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1x10^6 HepG2 cells were intracellularly stained with 0.4 ug STAT4 Monoclonal antibody (67568-2-Ig, Clone:4A8C9) and Coralite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1) (red), or 0.4 ug Mouse IgG1 Isotype Control (MOPC-21) (65124-1-Ig, Clone: MOPC-21) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).