

For Research Use Only

Phospho-STAT1 (Ser727) Recombinant antibody

Catalog Number: 80683-7-RR



Basic Information

Catalog Number: 80683-7-RR	GenBank Accession Number: BC002704	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 6772	CloneNo.: 240897D10
Source: Rabbit	UNIPROT ID: P42224	Recommended Dilutions: WB 1:1000-1:4000
Isotype: IgG	Full Name: signal transducer and activator of transcription 1, 91kDa	
	Calculated MW: 83 kDa	
	Observed MW: 84-91 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : IFN gamma treated HeLa cells,
Species Specificity: human	

Background Information

STAT1 (signal transducers and activators of transcription 1) is a member of the STAT protein family. 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. STAT1 activating phosphorylation at Ser727 is p38-dependant during lipotoxic stress. MLK3 activation triggers a MAPK signaling cascade resulting in STAT1 Ser727 phosphorylation. The phosphorylation of STAT1 Ser727 increases its nuclear localization, and transcriptional activity. (PMID: 28262979).

Storage

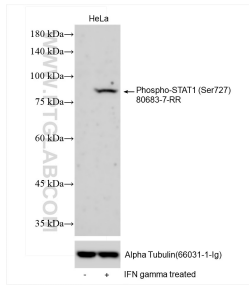
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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
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Selected Validation Data



Non treated and IFN gamma treated HeLa cells were subjected to SDS PAGE followed by western blot with 80683-7-RR (Phospho-STAT1 (Ser727) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Alpha Tubulin (66031-1-Ig) antibody as a loading control.