

For Research Use Only

# Phospho-STAT3 (Ser727) Recombinant antibody

Catalog Number: 80199-2-RR



## Basic Information

<b>Catalog Number:</b> 80199-2-RR	<b>GenBank Accession Number:</b> BC000627	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 ug/ml	<b>GeneID (NCBI):</b> 6774	<b>CloneNo.:</b> 240778A12
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P40763	<b>Recommended Dilutions:</b> WB 1:1000-1:4000
<b>Isotype:</b> IgG	<b>Full Name:</b> signal transducer and activator of transcription 3 (acute-phase response factor)	
	<b>Calculated MW:</b> 770 aa, 88 kDa	
	<b>Observed MW:</b> 100 kDa	

## Applications

<b>Tested Applications:</b> WB, FC (Intra), ELISA	<b>Positive Controls:</b> WB : HeLa cells,
<b>Species Specificity:</b> human	

## Background Information

Signal transducer and activator of transcription 3 (acute-phase response factor) (STAT3, synonyms: APRF, FLJ20882, MGC16063) is a member of the STAT protein 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. STAT3 is activated through phosphorylation in response to various cytokines and growth factors including IFNs, EGF, IL5, IL6, HGF, LIF and BMP2. STAT3 mediates the expression of a variety of genes in response to cell stimuli, and thus plays a key role in many cellular processes such as cell growth and apoptosis.

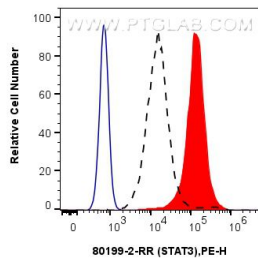
## Storage

**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**

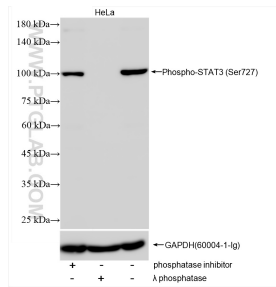
For technical support and original validation data for this product please contact:  
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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## Selected Validation Data



$1 \times 10^6$  Calyculin A treated HEK-293T cells were intracellularly stained with 0.25 ug Stat3 Recombinant Antibody (80199-2-RR, Clone:240778A12) and PE-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH.



Non-treated HeLa cells, phosphatase inhibitor treated HeLa cells and  $\lambda$  phosphatase treated HeLa cells were subjected to SDS PAGE followed by western blot with 80199-2-RR (Phospho-STAT3 (Ser727) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.