

For Research Use Only

# Phospho-STAT1 (Ser727) Recombinant antibody

Catalog Number: 80683-7-RR



## Basic Information

Catalog Number:

80683-7-RR

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC002704

GeneID (NCBI):

6772

UNIPROT ID:

P42224

Full Name:

signal transducer and activator of transcription 1, 91kDa

Calculated MW:

83 kDa

Observed MW:

84-91 kDa

Purification Method:

Protein A purification

CloneNo.:

240897D10

Recommended Dilutions:

WB 1:1000-1:4000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : IFN gamma treated HeLa cells,

## 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

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

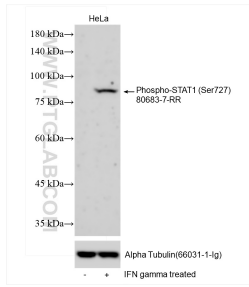
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## Selected Validation Data



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.