

For Research Use Only

# Phospho-STAT3 (Ser727) Monoclonal antibody

Catalog Number: 60479-1-Ig



## Basic Information

**Catalog Number:**

60479-1-Ig

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG2a

**GenBank Accession Number:**

BC000627

**GeneID (NCBI):**

6774

**UNIPROT ID:**

P40763

**Full Name:**

signal transducer and activator of transcription 3 (acute-phase response factor)

**Calculated MW:**

770 aa, 88 kDa

**Observed MW:**

85-90 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

2G11G11

**Recommended Dilutions:**

WB 1:5000-1:50000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

human, mouse, rat

**Positive Controls:**

WB : HeLa cells, A549 cells, UV treated HSC-T6 cells, MCF-7 cells, NIH/3T3 cells

## 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:

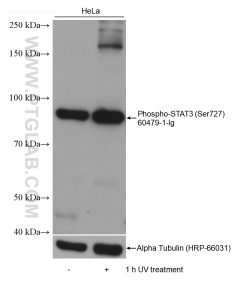
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

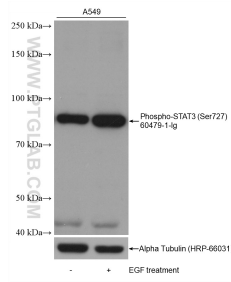
W: [ptgcn.com](http://ptgcn.com)

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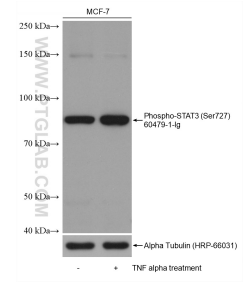
## Selected Validation Data



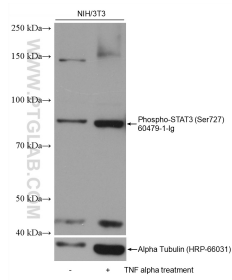
Various lysates were subjected to SDS PAGE followed by western blot with 60479-1-Ig (Phospho-STAT3 (Ser727) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



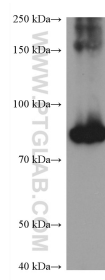
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UV treated HSC-T6 cells were subjected to SDS PAGE followed by western blot with 60479-1-Ig (STAT3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.