

# Phospho-STAT2-Y690 Rabbit mAb

Catalog No.: AP1522 **Recombinant**

## Basic Information

**Observed MW**

97kDa,113kDa

**Calculated MW**

98kDa

**Category**

Primary antibody

**Applications**

WB,ELISA

**Cross-Reactivity**

Human, Rat

**CloneNo number**

ARC66866

## Background

The protein encoded by this gene 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. In response to interferon (IFN), this protein forms a complex with STAT1 and IFN regulatory factor family protein p48 (ISGF3G), in which this protein acts as a transactivator, but lacks the ability to bind DNA directly. The protein mediates innate antiviral activity. Mutations in this gene result in Immunodeficiency 44.

## Recommended Dilutions

**WB** 1:500 - 1:1000**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

**Gene ID**

6773

**Swiss Prot**

P52630

**Immunogen**

A synthetic phosphorylated peptide around Y690 of human STAT2 (NP\_005410.1).

**Synonyms**

P113; IMD44; ISGF-3; PTORCH3; STAT113

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

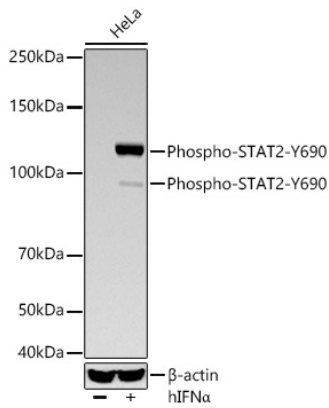
**Storage**

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3

## Validation Data

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Western blot analysis of lysates from HeLa cells using Phospho-STAT2-Y690 Rabbit mAb (AP1522) at 1:1000 dilution incubated overnight at 4°C. HeLa cells were treated by hIFN $\alpha$  (10 ng/ml) at 37°C for 30 minutes after serum-starvation overnight.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 30  $\mu$ g per lane.  
Blocking buffer: 3 % nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 180s.