Leader in Biomolecular Solutions for Life Science

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# Phospho-STAT4-Y693 Rabbit pAb

**Catalog No.: AP0137** 1 Publications

## Basic Information

**Observed MW**
81KDa

**Calculated MW**
85kDa

**Category**
Primary antibody

**Applications**
WB, IHC

**Cross-Reactivity**
Human, Rat

## Background

The protein encoded by this gene is a member of the STAT family of transcription factors. 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. This protein is essential for mediating responses to IL12 in lymphocytes, and regulating the differentiation of T helper cells. Mutations in this gene may be associated with systemic lupus erythematosus and rheumatoid arthritis. Alternate splicing results in multiple transcript variants that encode the same protein.

## Recommended Dilutions

| | |
|---|---|
| **WB** | 1:500 - 1:2000 |
| **IHC** | 1:50 - 1:100 |

## Immunogen Information

**Gene ID**
6775

**Swiss Prot**
Q14765

**Immunogen**
A synthetic phosphorylated peptide around Y693 of human STAT4 (NP_003142.1).

**Synonyms**
STAT4;SLEB11

## Contact

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## Product Information

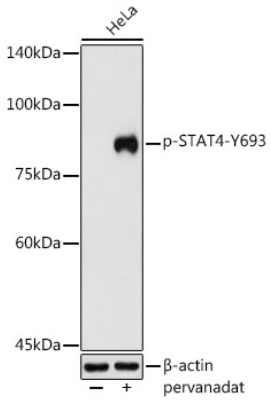
**Source**
Rabbit

**Isotype**
IgG

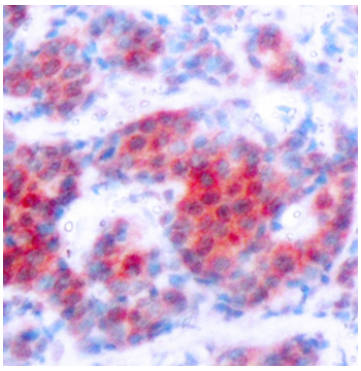
**Purification**
Affinity purification

**Storage**
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

## Validation Data




Western blot analysis of extracts of HeLa cells, using Phospho-STAT4-Y693 antibody (AP0137) at 1:500 dilution.HeLa cells were treated by Pervanadate (1 nM) at 37℃ for 30 minutes after serum-starvation overnight.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.



Immunohistochemistry of paraffin-embedded human breast carcinoma using Phospho-STAT4-Y693 antibody (AP0137).Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.