

## Rabbit STAT4-Y693 Antibody | anti-STAT4 antibody

Phospho-STAT4-Y693 Polyclonal Antibody

|                              |                       |                                        |                                                           |
|------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA37356</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|

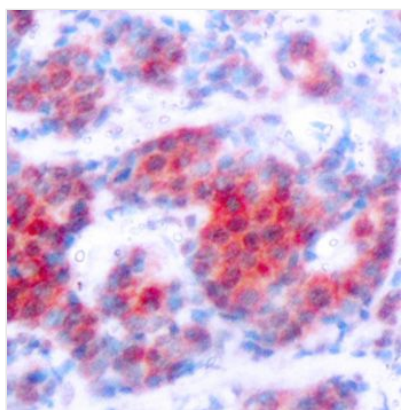
### PRODUCT SYNONYMS

STAT4-Y693; Phospho-STAT4-Y693 Polyclonal Antibody; Phospho-STAT4-Y693: SLEB11; anti-STAT4 antibody

### PRODUCT SPECIFICATIONS

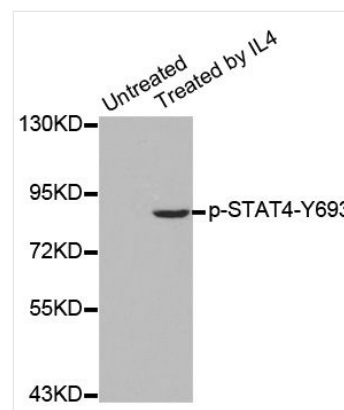
|                                                 |                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                     |
| Isotype                                         | IgG                                                                                                                                                   |
| Purity/Purification                             | Affinity Purification                                                                                                                                 |
| Concentration                                   | 1mg/ml (varies by lot)                                                                                                                                |
| Sequence Length                                 | 748                                                                                                                                                   |
| Applicable Applications for anti-STAT4 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                         |
| Species                                         | Human                                                                                                                                                 |
| Route                                           | Synthetic Peptide                                                                                                                                     |
| Immunogen                                       | A phospho specific peptide corresponding to residues surrounding Y693 of human STAT4                                                                  |
| Calculated Molecular Weight                     | 85kDa                                                                                                                                                 |
| Preparation and Storage                         | Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles.<br>Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human breast carcinoma using Phospho-STAT4-Y693 antibody.



#### WB (Western Blot)

Western blot analysis of extracts from HepG2 cells using Phospho-STAT4-Y693 antibody. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-STAT4 antibody | 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. |
| Product Categories/Family for anti-STAT4 antibody   | Phosphorylation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

NCBI AND UNIPROT INFORMATION

|                                  |                                                    |
|----------------------------------|----------------------------------------------------|
| NCBI GI #                        | 6226158                                            |
| NCBI GeneID                      | 6775                                               |
| UniProt Accession #              | Q14765; Q96NZ6                                     |
| Molecular Weight                 | 748                                                |
| NCBI Official Full Name          | Signal transducer and activator of transcription 4 |
| NCBI Official Synonym Full Names | signal transducer and activator of transcription 4 |
| NCBI Official Symbol             | STAT4                                              |
| NCBI Official Synonym Symbols    | SLEB11                                             |
| NCBI Protein Information         | signal transducer and activator of transcription 4 |
| UniProt Protein Name             | Signal transducer and activator of transcription 4 |
| UniProt Gene Name                | STAT4                                              |
| UniProt Entry Name               | STAT4_HUMAN                                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/rabbit-human-mouse-rat-antibody/stat4-y693/37356>