

## Rabbit STAT4 Polyclonal Antibody | anti-STAT4 antibody

STAT4 (Phospho-Tyr693) Antibody

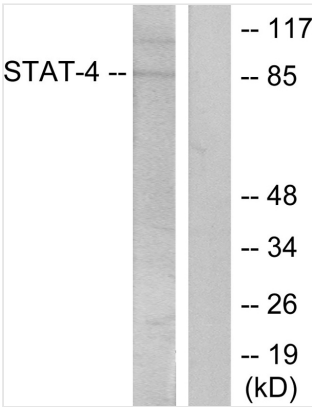
| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                   |
|-----------|--------|-------------------|----------------------------------------------------------------|
| AAA316581 | Rabbit | Human, Mouse, Rat | ELISA, Immunoprecipitation, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

STAT4; Polyclonal Antibody; STAT4 (Phospho-Tyr693) Antibody; anti-STAT4 antibody

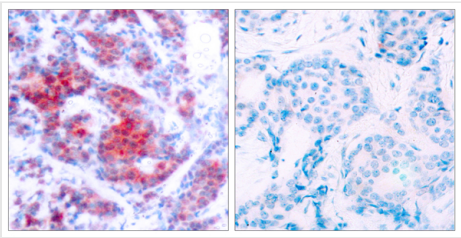
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                  |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                           |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                                                                |
| Clonality                                       | Polyclonal                                                                                                                                                                                       |
| Specificity                                     | STAT4 (Phospho-Tyr693) Antibody detects endogenous levels of STAT4 only when phosphorylated at Tyr693.                                                                                           |
| Purity/Purification                             | Purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide. |
| Form/Format                                     | Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                               |
| Concentration                                   | 1 mg/ml (varies by lot)                                                                                                                                                                          |
| Sequence Length                                 | 748                                                                                                                                                                                              |
| Applicable Applications for anti-STAT4 antibody | ELISA, IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                   |
| Target Modification                             | Phospho                                                                                                                                                                                          |
| Modification Sites                              | H:Y693; M:Y694; R:Y693                                                                                                                                                                           |
| Immunogen                                       | The antiserum was produced against synthesized peptide derived from human STAT4 around the phosphorylation site of Tyr693.                                                                       |
| Immunogen Range                                 | 660-709                                                                                                                                                                                          |
| Preparation and Storage                         | Stable at -20 degree C for at least 1 year.                                                                                                                                                      |



WB (Western Blot)

Western blot analysis of lysates from HeLa cells treated with IL-4, using STAT4 (Phospho-Tyr693) Antibody. The lane on the right is blocked with the phospho peptide.



IHC (Immunohistochemistry)  
Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using STAT4 (Phospho-Tyr693) Antibody. The picture on the right is blocked with the phospho peptide.

NCBI AND UNIPROT INFORMATION

|                                  |                                                    |
|----------------------------------|----------------------------------------------------|
| NCBI GI #                        | 345110660                                          |
| NCBI GeneID                      | 6775                                               |
| NCBI Accession #                 | NP_001230764.1                                     |
| NCBI GenBank Nucleotide #        | NM_001243835.1                                     |
| UniProt Accession #              | Q14765; Q96NZ6                                     |
| Molecular Weight                 | 85 kDa                                             |
| 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                                              |

**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.