

## ARG51555 anti-STAT6 phospho (Thr645) antibody

Package: 100 µl, 50 µl  
Store at: -20°C

### Summary

|                     |  |
|---------------------|--|
| Product Description | Rabbit Polyclonal antibody recognizes STAT6 phospho (Thr645)   |
| Tested Reactivity   | Hu   |
| Tested Application  | IHC-P, WB  |
| Host                | Rabbit   |
| Clonality           | Polyclonal   |
| Isotype             | IgG  |
| Target Name         | STAT6  |
| Species             | Human  |
| Immunogen           | Peptide sequence around phosphorylation site of threonine 645 (P-A-T(p)-I-K) derived from Human STAT6. |
| Conjugation         | Un-conjugated  |
| Alternate Names     | D12S1644; STAT6B; STAT6C; Signal transducer and activator of transcription 6; IL-4-STAT; IL-4 Stat     |

### Application Instructions

| Application table | Application  | Dilution       |
|-------------------|--|----------------|
|                   | IHC-P  | 1:50 - 1:100   |
|                   | WB   | 1:500 - 1:1000 |
| Application Note  | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |                |

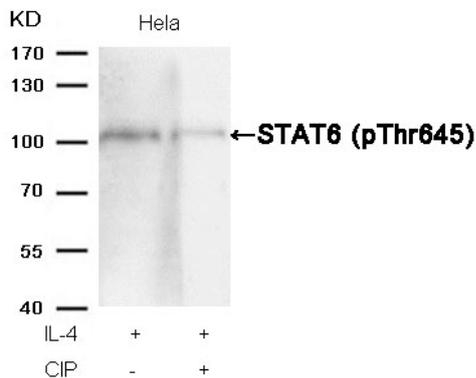
### Properties

|                     |   |
|---------------------|---|
| Form                | Liquid  |
| Purification        | Antibodies were produced by immunizing rabbits with KLH-conjugated synthetic phosphopeptide. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. In addition, non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.                     |
| Buffer              | PBS (without Mg <sup>2+</sup> and Ca <sup>2+</sup> , pH 7.4), 150mM NaCl, 0.02% Sodium azide and 50% Glycerol.  |
| Preservative        | 0.02% Sodium azide  |
| Stabilizer          | 50% Glycerol  |
| Concentration       | 1 mg/ml   |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |

## Bioinformation

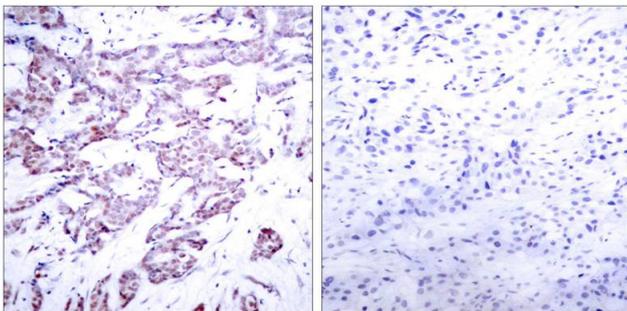
|                |  |
|----------------|--|
| Database links | <a href="#">GeneID: 6778 Human</a><br><a href="#">Swiss-port # P42226 Human</a>  |
| Gene Symbol    | STAT6  |
| Gene Full Name | signal transducer and activator of transcription 6, interleukin-4 induced  |
| Background     | Carries out a dual function: signal transduction and activation of transcription. Involved in interleukin-4 signalling.  |
| Function       | Carries out a dual function: signal transduction and activation of transcription. Involved in IL4/interleukin-4- and IL3/interleukin-3-mediated signaling. [UniProt]   |
| Research Area  | Gene Regulation antibody; Signaling Transduction antibody  |
| Calculated Mw  | 94 kDa   |
| PTM            | Tyrosine phosphorylated following stimulation by IL4/interleukin-4 and IL3/interleukin-3 (By similarity). Dephosphorylation on tyrosine residues by PTPN2 negatively regulates the IL4/interleukin-4 mediated signaling. |

## Images



ARG51555 anti-STAT6 phospho (Thr645) antibody WB image

Western blot: Extracts from HeLa cells, treated with IL-4 or calf intestinal phosphatase (CIP), stained with ARG51555 anti-STAT6 phospho (Thr645) antibody.



ARG51555 anti-STAT6 phospho (Thr645) antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human breast carcinoma tissue stained with ARG51555 anti-STAT6 phospho (Thr645) antibody (left) or the same antibody preincubated with blocking peptide (right).