

## Phospho-STAT6-T645

**Reactivity:**Human

**Tested applications:**IHC

**Recommended Dilution:**IHC 1:50 - 1:100

**Calculated MW:**110kDa

**Observed MW:**Refer to Figures

**Immunogen:**

A phospho specific peptide corresponding to residues surrounding T645 of human STAT6

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

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**Synonym:**

STAT6B; STAT6C; D12S1644; IL-4-STAT;

**Catalog #:**AP0455

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**6778

**Isotype:**IgG

**Swiss Prot:**P42226

**Purity:**Affinity purification

For research use only.

**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 plays a central role in exerting IL4 mediated biological responses. It is found to induce the expression of BCL2L1/BCL-X(L), which is responsible for the anti-apoptotic activity of IL4. Knockout studies in mice suggested the roles of this gene in differentiation of T helper 2 (Th2) cells, expression of cell surface markers, and class switch of immunoglobulins. Alternative splicing results in multiple transcript variants.

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