

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:

ko

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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