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STAT6

Reactivity: Human Mouse

Tested applications:WB IHC ICC IP

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:200 ICC 1:50 - 1:100 IP 1:50 - 1:100

Calculated MW:100kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide 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 #:A0755

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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