

## 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:**

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**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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