

**anti-Stat6**

Cat #: HM1360  
Rabbit polyclonal IgG  
0.2 µg/µl, store at 4 °C

For research use only

**BACKGROUND**

Stats (signal transducers and activators of transcription) are transcription factors activated by peptide hormones, growth factors and cytokines, particularly interferons. 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.

**SPECIFICITY**

This antibody specifically recognizes Stat6 of human, mouse and rat origin. The antibody can be used in Western blotting, immunoprecipitation and immunostaining.

Molecular Weight of Stat6: 120 kDa.

Western blotting positive controls: Jurkat cell lysate; NIH/3T3 cell lysate.

**IMMUNOGEN**

A peptide at the carboxy terminus of human Stat6.

**STORAGE**

This antibody is stable for 12 months when stored at 2-8°C.

**REFERENCES**

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