

Anti-STAT6 antibody

Cat. No.	ml220089
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol

Product overview

Description	Anti-STAT6 rabbit polyclonal antibody
Applications	ELISA, WB
Immunogen	Fusion protein of human STAT6
Reactivity	Human, Mouse
Content	0.5 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	STAT6
Full name	signal transducer and activator of transcription 6, interleukin-4 induced
Synonyms	STAT6B; STAT6C; D12S1644; IL-4-STAT
Swissprot	P42226

Target 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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Applications

Western blotting

Predicted band size: 94 kDa

Positive control: Raji cells

Recommended dilution: 500-2000

Gel: 8%SDS-PAGE

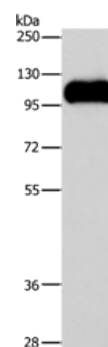
Lysate: 40 µg

Lane: Raji cells

Primary antibody: ml220089(STAT6 Antibody) at dilution 1/250

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 5 seconds



ELISA

Recommended dilution: 2000-5000

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