

Stat6 Monoclonal Antibody

Description

Product type	Primary Antibody
Code	BT-MCA1167
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Purified recombinant fragment of human Stat6 expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human,Mouse,Rat,Monkey
Clonality	Monoclonal
Recommended application	WB, IF, ICC, ELISA
Concentration	1 mg/ml
Full name	Signal transducer and activator of transcription 6
Synonyms	STAT6; Signal transducer and activator of transcription 6; IL-4 Stat

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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.

Recommended Dilution

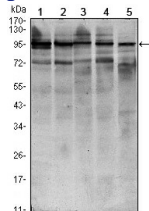
ELISA: 1:10000

IF: 1:200 - 1:1000

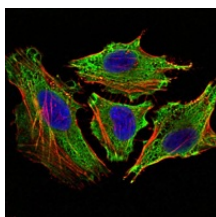
WB: 1:500 - 1:2000

Not yet tested in other applications.

Images



Western Blot analysis using Stat6 Monoclonal antibody against HEK293 (1) NIH/3T3 (2) MCF-7 (3) Raw246.7 (4) and PC-12 (5) cell lysate.



Immunofluorescence analysis of HeLa cells using Stat6 Monoclonal antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

Storage

-20°C for one year

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