



Stat6 Monoclonal Antibody

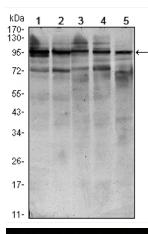
Catalog No	BYab-01024
Isotype	lgG
Reactivity	Human;Mouse;Rat;Monkey
Applications	WB;IF;ELISA
Gene Name	STAT6
Protein Name	Signal transducer and activator of transcription 6
Immunogen	Purified recombinant fragment of human Stat6 expressed in E. Coli.
Specificity	Stat6 Monoclonal Antibody detects endogenous levels of Stat6 protein.
Formulation	Ascitic fluid containing 0.03% sodium azide, 0.5% BSA, 50% glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	STAT6; Signal transducer and activator of transcription 6; IL-4 Stat
Observed Band	
Cell Pathway	Cytoplasm. Nucleus. Translocated into the nucleus in response to phosphorylation.
Tissue Specificity	Uterus,
Function	function:Carries out a dual function: signal transduction and activation of transcription. Involved in interleukin-4 signalling.,PTM:Tyrosine phosphorylated following stimulation by IL-4 and IL-3.,similarity:Belongs to the transcription factor STAT family.,similarity:Contains 1 SH2 domain.,subcellular location:Translocated into the nucleus in response to phosphorylation.,subunit:Forms a homodimer or a heterodimer with a related family member (By similarity). Interacts with NCOA1 via its C-terminal LXXLL motif.,
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
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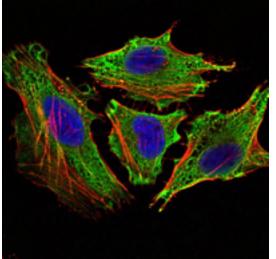
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Letterresponses. It is found to induce the expression of BCL2L1/BCL-X(L), which is
responsible for the anti-apoptotic activity of IL4. Knockout studies in mice
suggested the roles of this gene in differentiation of T helper 2 (Th2) cells,
expression of cell surface markers, and class switch of immunoglobulins.
Alternative splicing results in multiple transcript variants.[provided by RefSeq, May
2010],matters needing
attentionAvoid repeated freezing and thawing!Usage suggestionsThis product can be used in immunological reaction related experiments. For
more information, please consult technical personnel.

Products 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.

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