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**Product Name: STAT6 Mouse Monoclonal Antibody****Catalog #: AMM80861**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,ICC,ELISA
<b>Reactivity</b>	Human,Mouse,Rat,Monkey
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,ICC 1:200-1:1000,ELISA 1:5000-1:20000
<b>Molecular Weight</b>	94kDa

**Antigen Information**

<b>Gene Name</b>	STAT6
<b>Alternative Names</b>	STAT6B; STAT6C; D12S1644; IL-4-STAT; STAT6
<b>Gene ID</b>	6778.0
<b>SwissProt ID</b>	P42226
<b>Immunogen</b>	Purified recombinant fragment of human STAT6 expressed in E. Coli.

**Background**

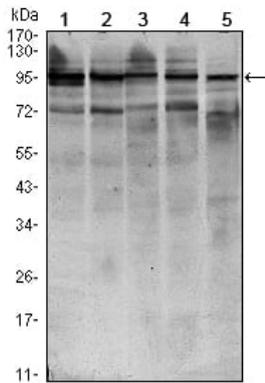
STAT6 protein is a transcription factor activated by cytokines, particularly interleukin 4 and IL 13. (STAT6<sup>-/-</sup>) were found to be deficient in IL 4 mediated functions including Th2 helper T cell differentiation, expression of cell surface markers, T cell proliferation, immunoglobulin class switching to IgE, and partial loss of IL 4 mediated proliferation. STAT6 mRNA has been

detected in peripheral bloodlymphocytes, colon, intestine, ovary, prostate, thymus, spleen, kidney, liver, lung and placenta. STAT6 is critically involved in Th2 immune response.

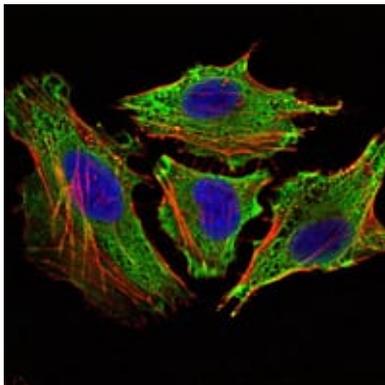
## Research Area

Jak-STAT signaling pathway

## Image Data



Western blot analysis using STAT6 mouse mAb 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 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin