

## Stat6(Phospho Tyr641) Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP01668
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human STAT6 around the phosphorylation site of Tyr641. AA range:608-657
<b>Mol wt</b>	94135
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, IF, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Signal transducer and activator of transcription 6
<b>Synonyms</b>	Signal transducer and activator of transcription 6; 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

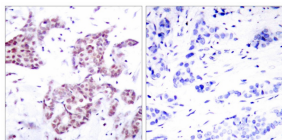
WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 1: 300

ELISA: 1: 10000

Not yet tested in other applications.

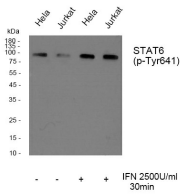
### Images



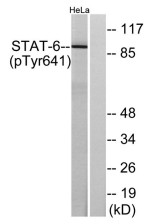
Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using STAT6 (Phospho-Tyr641) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of Stat6 (phospho Tyr641) Polyclonal Antibody, using HeLa, Jurkat cell treated or untreated with IFN 2500U/ml 30', 4°C overnight, secondary antibody diluted at 1:10000, 37°C 1 hour.



Western Blot analysis of various cells using Phospho-Stat6 (Y641) Polyclonal Antibody



Western blot analysis of lysates from HeLa cells treated with IL-4, using STAT6 (Phospho-Tyr641) Antibody. The lane on the right is blocked with the phospho peptide.

### Storage

-20°C for 1 year

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