

## Stat4 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP14544
<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 STAT4. AA range:660-709
<b>Mol wt</b>	85941
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, IF, IP, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Signal transducer and activator of transcription 4
<b>Synonyms</b>	Signal transducer and activator of transcription 4; STAT4; Signal transducer and activator of transcription 4

**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 is essential for mediating responses to IL12 in lymphocytes, and regulating the differentiation of T helper cells. Mutations in this gene may be associated with systemic lupus erythematosus and rheumatoid arthritis. Alternate splicing results in multiple transcript variants that encode the same protein.

### Recommended Dilution

WB: 1: 500 - 1: 2000

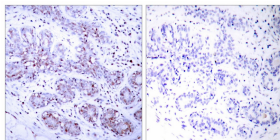
IP: 2 - 5 ug: mg

IHC-p: 1: 100 - 1: 300

ELISA: 1: 5000

Not yet tested in other applications.

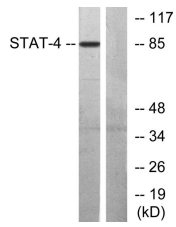
### Images



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using STAT4 Antibody. The picture on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using Stat4 Polyclonal Antibody



Western blot analysis of lysates from HeLa cells, using STAT4 Antibody. The lane on the right is blocked with the synthesized peptide.

### Storage

-20°C for 1 year

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: [save@bt-laboratory.com](mailto:save@bt-laboratory.com) | [www.bt-laboratory.com](http://www.bt-laboratory.com)