

## Anti-STAT5B antibody

<b>Cat. No.</b>	ml220087
<b>Package</b>	25 µl/100 µl/200 µl
<b>Storage</b>	-20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol

### Product overview

<b>Description</b>	Anti-STAT5B rabbit polyclonal antibody
<b>Applications</b>	ELISA, WB, IHC
<b>Immunogen</b>	Fusion protein of human STAT5B
<b>Reactivity</b>	Human, Mouse, Rat
<b>Content</b>	0.5 mg/ml
<b>Host species</b>	Rabbit
<b>Ig class</b>	Immunogen-specific rabbit IgG
<b>Purification</b>	Antigen affinity purification

### Target information

<b>Symbol</b>	STAT5B
<b>Full name</b>	Signal transducer and activator of transcription 5B

**Synonyms** STAT5

**Swissprot** P51692

### Target 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 mediates the signal transduction triggered by various cell ligands, such as IL2, IL4, CSF1, and different growth hormones. It has been shown to be involved in diverse biological processes, such as TCR signaling, apoptosis, adult mammary gland development, and sexual dimorphism of liver gene expression. This gene was found to fuse to retinoic acid receptor-alpha (RARA) gene in a small subset of acute promyelocytic leukemias (APLL). The dysregulation of the signaling pathways mediated by this protein may be the cause of the APLL.

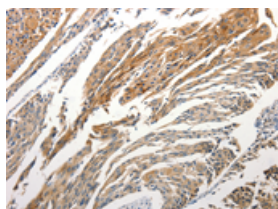
## Applications

### Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human cervical cancer

Recommended dilution: 25-100

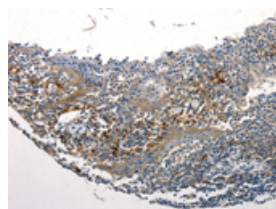


The image is immunohistochemistry of paraffin-embedded Human cervical cancer tissue using ml220087(STAT5B Antibody) at dilution 1/25. (Original magnification: ×200)

Predicted cell location: Cytoplasm

Positive control: Human tonsil

Recommended dilution: 25-100



The image is immunohistochemistry of paraffin-embedded Human tonsil tissue using ml220087(STAT5B Antibody) at dilution 1/25. (Original magnification: ×200)

### Western blotting

Predicted band size: 90 kDa

Positive control: SKOV3 cells

Recommended dilution: 500-2000

Gel: 10% SDS-PAGE

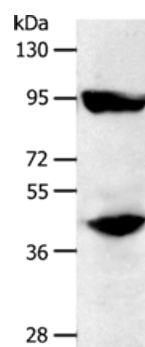
Lysate: 50 µg

Lane: SKOV3 cells

Primary antibody: ml220087(STAT5B Antibody) at dilution 1/200

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 1 minute



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#### ELISA

Recommended dilution: 500-5000

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