

# [KO Validated] STAT5B Rabbit mAb

Catalog No.: A19567 **KO Validated** **Recombinant** **2 Publications**

## Basic Information

### Observed MW

90 kDa

### Calculated MW

90 kDa

### Category

Primary antibody

### Applications

WB,IP,ELISA

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC0046

## 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.

## Recommended Dilutions

**WB** 1:1000 - 1:4000

**IP** 0.5µg-4µg antibody for  
200µg-400µg extracts of  
whole cells

**ELISA** Recommended starting  
concentration is 1 µg/mL.  
Please optimize the  
concentration based on  
your specific assay  
requirements.

## Contact

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## Immunogen Information

### Gene ID

6777

### Swiss Prot

P51692

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

STAT5; GHISID2; 5B

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

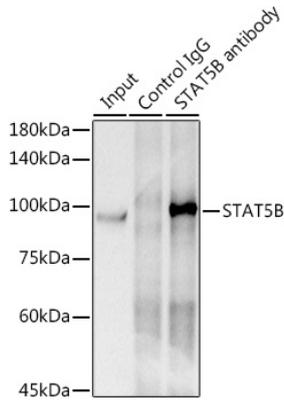
Affinity purification

### Storage

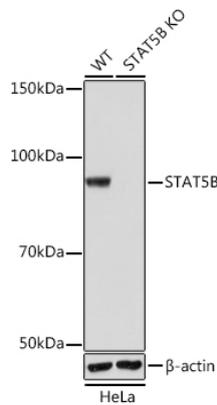
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data



Immunoprecipitation analysis of 300 µg extracts of HeLa cells using 3 µg [KO Validated] STAT5B Rabbit mAb (A19567). Western blot was performed from the immunoprecipitate using [KO Validated] STAT5B Rabbit mAb (A19567) at a dilution of 1:1000.



Western blot analysis of lysates from wild type (WT) and STAT5B knockout (KO) HeLa cells, using [KO Validated] STAT5B Rabbit mAb (A19567) at 1:1000 dilution.

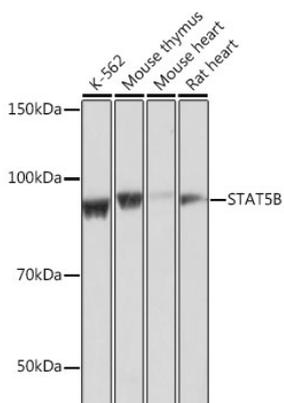
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.



Western blot analysis of various lysates using [KO Validated] STAT5B Rabbit mAb (A19567) at 1:1000 dilution.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.