

A19567

Leader in Biomolecular Solutions for Life Science



## [KO Validated] STAT5B Rabbit mAb

Catalog No.: A19567

KO Validated

Recombinant

2 Publications

### Basic Information

#### Observed MW

90kDa

#### Calculated MW

90kDa

#### Category

SMab Recombinant Monoclonal 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	1:500 - 1:1000
IP	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells

### Immunogen Information

**Gene ID**  
6777

**Swiss Prot**  
P51692

#### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 600-787 of human STAT5B (P51692).

#### Synonyms

STAT5; GHISID2; 5B

### Contact

 [www.abclonal.com](http://www.abclonal.com)

### Product Information

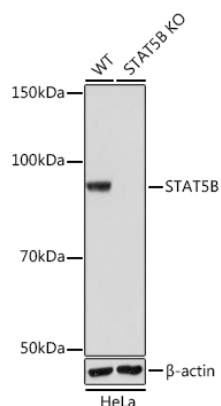
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

#### Storage

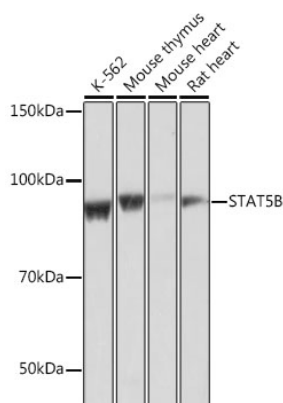
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

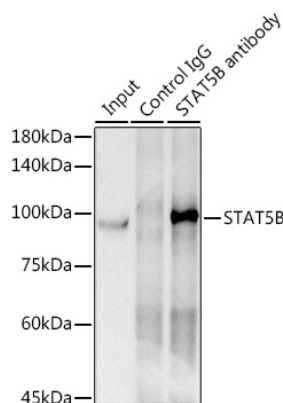
## Validation Data



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 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 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.



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