

STAT5B Rabbit pAb

Catalog No.: A0275 **1 Publications**

Basic Information

Catalog No.

A0275

Observed MW

95kDa

Calculated MW

89kDa

Category

Primary antibody

Applications

WB, IF

Cross-Reactivity

Human, Rat

Recommended Dilutions

WB	1:500 - 1:2000
IF	1:20 - 1:50

Contact

 | www.abclonal.com

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.

Immunogen Information

Gene ID	Swiss Prot
6777	P51692

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 40-280 of human STAT5B (NP_036580.2).

Synonyms

STAT5;STAT5B

Product Information

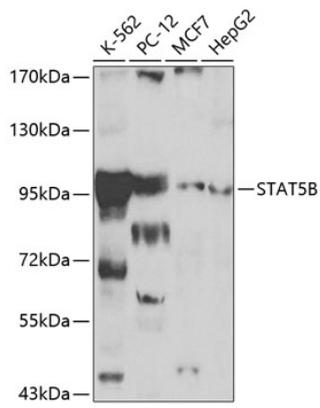
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

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

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

Validation Data

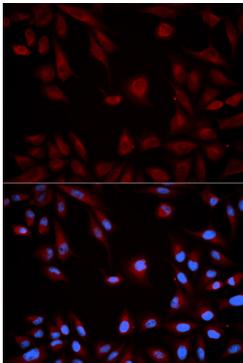


Western blot analysis of extracts of various cell lines, using STAT5B antibody (A0275) at 1:1000 dilution.

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

Lysates/proteins: 25ug per lane.

Blocking buffer: 3% nonfat dry milk in TBST.



Immunofluorescence analysis of HeLa cells using STAT5B antibody (A0275). Blue: DAPI for nuclear staining.