

STAT5b Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5290

Specification

STAT5b Antibody (C-term) - Product Information

| | |
|-------------------|---|
| Application | WB,E |
| Primary Accession | P51692 |
| Other Accession | P52632 , Q9TUZ0 , P42232 , Q9TUM3 |
| Reactivity | Human, Rat |
| Predicted | Bovine, Mouse, Pig |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | H=90 M=90 Rat=90 KDa |
| Isotype | Rabbit IgG |
| Antigen Source | HUMAN |

STAT5b Antibody (C-term) - Additional Information

Gene ID 6777

Antigen Region
760-787

Other Names
STAT5B; Signal transducer and activator of transcription 5B

Dilution
WB~~1:1000

Target/Specificity
This STAT5b antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 760-787 amino acids from the C-terminal region of human STAT5b.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
STAT5b Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

STAT5b Antibody (C-term) - Protein Information

Name STAT5B

Function

Carries out a dual function: signal transduction and activation of transcription (PubMed:29844444). Mediates cellular responses to the cytokine KITLG/SCF and other growth factors. Binds to the GAS element and activates PRL-induced transcription. Positively regulates hematopoietic/erythroid differentiation.

Cellular Location

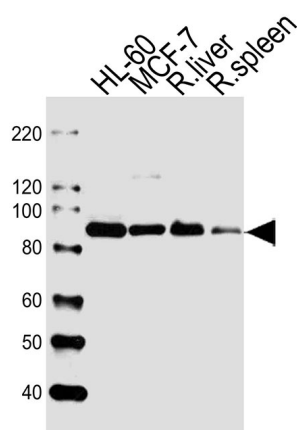
Cytoplasm. Nucleus. Note=Translocated into the nucleus in response to phosphorylation.

STAT5b Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

STAT5b Antibody (C-term) - Images



Western blot analysis of lysates from HL-60, MCF-7 cell line, rat liver, rat spleen tissue (from left to right), using STAT5b Antibody (C-term) (Cat. #AW5290). AW5290 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:10000 dilution was used as the secondary antibody.

STAT5b Antibody (C-term) - Background

STAT5b 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.

STAT5b Antibody (C-term) - References

- Xi, S., et al., *Cancer Res.* 63(20):6763-6771 (2003).
Uddin, S., et al., *Biochem. Biophys. Res. Commun.* 308(2):325-330 (2003).
Zhang, X., et al., *J. Allergy Clin. Immunol.* 112(1):93-101 (2003).
Yamashita, H., et al., *Oncogene* 22(11):1638-1652 (2003).
Kloth, M.T., et al., *J. Biol. Chem.* 278(3):1671-1679 (2003).