STAT5b Antibody
Rabbit mAb
Catalog # AP90880

Specification

STAT5b Antibody - Product Information

Application	**WB, IHC, ICC, IP**
Primary Accession	P51692
Reactivity	**Rat**
Clonality	**Monoclonal**
Other Names	

Signal transducer and activator of transcription 5B; STA5B; STAT5; Stat5b; Transcription factor STAT5B;

Isotype	**Rabbit IgG**
Host	**Rabbit**
Calculated MW	**89866 Da**

STAT5b Antibody - Additional Information

Purification	**Affinity-chromatography**
Immunogen	**A synthesized peptide derived from human STAT5b**
Description	**Stat5 is activated in response to a wide variety of ligands including IL-2, GM-CSF, growth hormone and prolactin. Stat5 is constitutively active in some leukemic cell types. Phosphorylated Stat5 is found in some endothelial cells treated with IL-3, which suggests its involvement in angiogenesis and cell motility. Stat5a and Stat5b are independently regulated and activated in various cell types.**
Storage Condition and Buffer	**Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.**

STAT5b Antibody - 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.
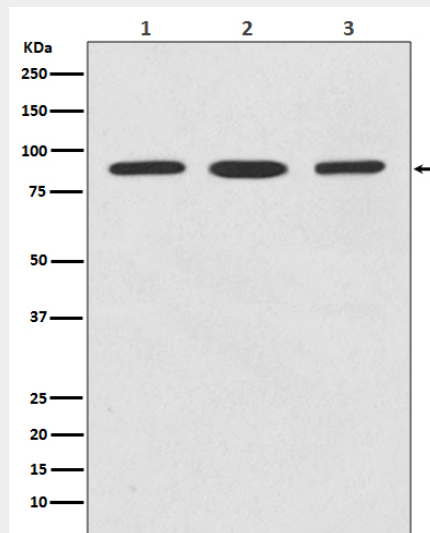
Cellular Location
Cytoplasm. Nucleus. Note=Translocated into the nucleus in response to phosphorylation.

STAT5b Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

STAT5b Antibody - Images

 Western blot analysis of STAT5b expression in (1) HeLa cell lysate; (2) 3T3 cell lysate; (3) C6 cell lysate.