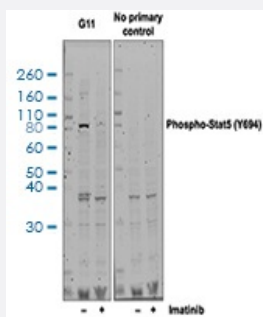


RecomAb™

STAT5A/STAT5B recombinant monoclonal antibody, clone Stat5Y694-G11

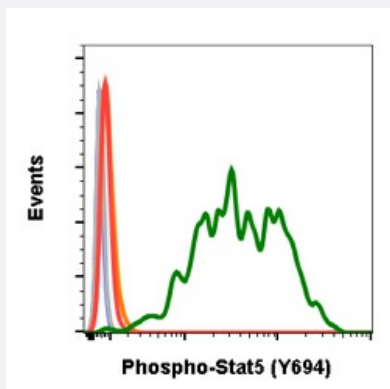
Catalog # RAB02824 Size 200 uL

Applications



Western Blot

Western blot analysis of K562 cell extract untreated or treated with imatinib using 0.01ug/mL Phospho-Stat5 (Tyr694) antibody Stat5Y694-G11. Also shown is a control blot at the same exposure level and omitting only the primary antibody.



Flow Cytometry

Flow cytometric analysis of 3T3 cells secondary antibody only negative control (blue) or untreated (grey) or treated with pervanadate (orange) using 0.1 ug/mL isotype control or untreated (red) or pervanadate (green) using Phospho-Stat5 (Tyr694) antibody Stat5Y694-G11 at 0.1 ug/mL.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human STAT5A STAT5B.
Antibody Species	Rabbit
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding Tyr694 of human phospho Stat5
Reactivity	Human

Form	Liquid
Purification	Protein A+G
Isotype	Rabbit IgG1k
Recommend Usage	Flow Cytometry Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	1X PBS, 0.02% Sodium azide, 50% Glycerol, 0.1% BSA
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of K562 cell extract untreated or treated with imatinib using 0.01ug/mL Phospho-Stat5 (Tyr694) antibody Stat5Y694-G11. Also shown is a control blot at the same exposure level and omitting only the primary antibody.

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Gene Info — STAT5A

Entrez GeneID	6776
Protein Accession#	P42229 P51692
Gene Name	STAT5A
Gene Alias	MGF, STAT5
Gene Description	signal transducer and activator of transcription 5A
Omim ID	601511
Gene Ontology	Hyperlink

Gene Summary

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 is activated by, and mediates the responses of many cell ligands, such as IL2, IL3, IL7 GM-CSF, erythropoietin, thrombopoietin, and different growth hormones. Activation of this protein in myeloma and lymphoma associated with a TEL/JAK2 gene fusion is independent of cell stimulus and has been shown to be essential for the tumorigenesis. The mouse counterpart of this gene is found to induce the expression of BCL2L1/BCL-X(L), which suggests the antiapoptotic function of this gene in cells. [provided by RefSeq]

Other Designations

-

Gene Info — STAT5B

Entrez GeneID

[6777](#)

Protein Accession#

[P42229|P51692](#)

Gene Name

STAT5B

Gene Alias

STAT5

Gene Description

signal transducer and activator of transcription 5B

Omim ID

[245590 604260](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

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. [provided by RefSeq]

Other Designations

transcription factor STAT5B

Pathway

- [Acute myeloid leukemia](#)
- [Acute myeloid leukemia](#)

- [Chemokine signaling pathway](#)
- [Chronic myeloid leukemia](#)
- [Chronic myeloid leukemia](#)
- [ErbB signaling pathway](#)
- [ErbB signaling pathway](#)
- [Jak-STAT signaling pathway](#)
- [Jak-STAT signaling pathway](#)
- [Pathways in cancer](#)
- [Pathways in cancer](#)

Disease

- [Asthma](#)
- [Birth Weight](#)
- [Birth Weight](#)
- [Breast cancer](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Breast Neoplasms](#)
- [Bronchiolitis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)

- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Glioma](#)
- [Hepatitis C](#)
- [Infant](#)
- [Leukemia](#)
- [Leukemia](#)
- [Liver Neoplasms](#)
- [Lupus Erythematosus](#)
- [Meningeal Neoplasms](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Meningioma](#)
- [Respiratory Syncytial Virus Infections](#)
- [Tooth Abnormalities](#)
- [Viremia](#)