

Product Name: STAT5B Mouse Monoclonal Antibody
Catalog #: AMM80867



Summary

Production Name	STAT5B Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Immunogen

Gene Name	STAT5B
Alternative Names	STAT5; STAT5B
Gene ID	6777.0
SwissProt ID	P51692. Purified recombinant fragment of human STAT5B expressed in E. Coli.

Application

Dilution Ratio	WB:1:500-1:2000,ELISA:1:10000
Molecular Weight	90kDa

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

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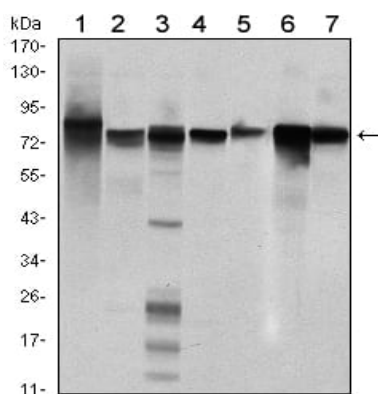


heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein mediates the signal transduction triggered by various cell ligands, such as IL2, IL4, CSF1, and different growth hormones. It has been shown to be involved in diverse biological processes, such 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.

Research Area

Jak-STAT signaling pathway

Image Data



Western blot analysis using STAT5B mouse mAb against Hela (1), K562 (2), NIH/3T3 (3), C6 (4), HEK293 (5), Jurkat (6) and HL-60 (7) cell lysate.

Note

For research use only.