

Datasheet for ABIN7270311

anti-STAT5B antibody

3 Images

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Overview

Quantity:	100 µL
Target:	STAT5B
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This STAT5B antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Purpose:	[KO Validated] STAT5B Rabbit mAb
Immunogen:	A synthesized peptide derived from human STAT5B.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification
Grade:	KO Validated

Target Details

Target:	STAT5B
Alternative Name:	STAT5B (STAT5B Products)

Target Details

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. [provided by RefSeq, Jul 2008],STAT5,STAT5B,Cancer,Endocrine & Metabolism,Epigenetics & Nuclear Signaling,ErbB-HER Signaling Pathway,IL-6 Receptor Signaling Pathway,Immunology & Inflammation,Signal Transduction,Transcription Factors,STAT5B
Molecular Weight:	90kDa
Gene ID:	6777
UniProt:	P51692
Pathways:	JAK-STAT Signaling , RTK Signaling , Response to Growth Hormone Stimulus , C21-Steroid Hormone Metabolic Process , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , CXCR4-mediated Signaling Events , Activated T Cell Proliferation

Application Details

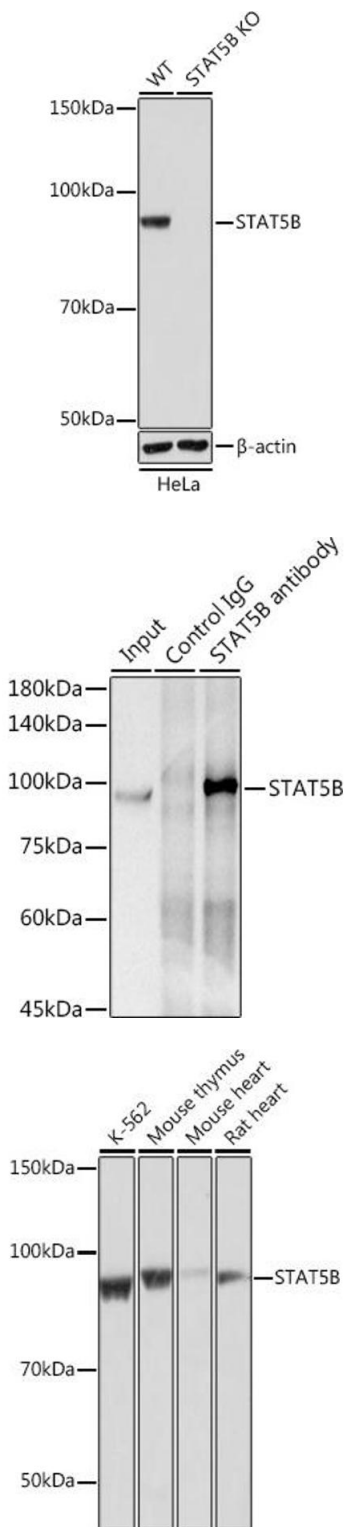
Application Notes:	WB,1:500 - 1:2000,IP,1:50 - 1:200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

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

Images



Western Blotting

Image 1. Western blot analysis of extracts from wild type (WT) and STB knockout (KO) HeLa cells, using STB antibody (ABIN7270311) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.

Immunoprecipitation

Image 2. Immunoprecipitation analysis of 300 μ g extracts of HeLa cells using 3 μ g STB antibody (ABIN7270311). Western blot was performed from the immunoprecipitate using STB antibody (ABIN7270311) at a dilution of 1:1000.

Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using STB antibody (ABIN7270311) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.