



Rabbit Anti-Human STAT5B Polyclonal Antibody (CABT-L2145)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Signal Transducer And Activator Of Transcription 5B (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against STAT5B. It has been selected for its ability to recognize STAT5B in immunohistochemical staining and western blotting.
Target	STAT5B
Immunogen	Recombinant fragment corresponding to human STAT5B (Ala497~Ser749)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags

BACKGROUND

Introduction	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]
Keywords	STAT5-B

GENE INFORMATION

Gene Name	STAT5B signal transducer and activator of transcription 5B [Homo sapiens (human)]
Official Symbol	STAT5B
Synonyms	STAT5B; signal transducer and activator of transcription 5B; STAT5; transcription factor STAT5B;
Entrez Gene ID	6777
Protein Refseq	NP_036580
UniProt ID	P51692
Chromosome Location	17q11.2
Pathway	AGE/RAGE pathway; Acute myeloid leukemia; Adipogenesis; Angiopoietin receptor Tie2-mediated signaling; BDNF signaling pathway; CXCR4-mediated signaling events; Chemokine signaling pathway; Chronic myeloid leukemia;
Function	RNA polymerase II core promoter sequence-specific DNA binding; chromatin binding; double-stranded DNA binding; glucocorticoid receptor binding; protein binding; protein dimerization activity; protein phosphatase binding; sequence-specific DNA binding transcription factor

activity; signal transducer activity;
