



Anti-STAT5B (aa 678-787) polyclonal antibody (DPAB-DC2976)

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

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	STAT5B (NP_036580, 678 a.a. ~ 787 a.a) partial recombinant protein with GST tag. The sequence is VYSKYYTPVPCESATAKAVDGYVKPQIKQVVPEFVNASADAGGGSATYMDQAPSPAVCPQ AHYNMYPQNPDSVLTDGDFDLEDTMDVARRVEELLGRPMDSQWIPHAQS
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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; Angiopoietin receptor Tie2-mediated signaling; CXCR4-mediated signaling events
Function	RNA polymerase II core promoter sequence-specific DNA binding; calcium ion binding; chromatin binding; double-stranded DNA binding
