



Anti-STAT5A (aa 1-104) polyclonal antibody (DPAB-DC2975)

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 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 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. Alternatively spliced transcript variants have been found for this gene.
Immunogen	STAT5A (AAH27036, 1 a.a. ~ 104 a.a) partial recombinant protein with GST tag. The sequence is MAGWIQAQQLQGDALRQMQLVLYGQHFPIEVRHYLAQWIESQPWDAIDLDNPQDRAQATQL LEGLVQELQKKAEHQVGEDGFLLKIKLGHYATQLQKTYDRCPLE
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	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	STAT5A signal transducer and activator of transcription 5A [Homo sapiens (human)]
Official Symbol	STAT5A
Synonyms	STAT5A; signal transducer and activator of transcription 5A; MGF; STAT5;
Entrez Gene ID	6776
Protein Refseq	NP_001275647
UniProt ID	A8K6I5
Chromosome Location	17q11.2
Pathway	AGE/RAGE pathway; Adipogenesis; BDNF signaling pathway; CXCR4-mediated signaling events
Function	RNA polymerase II core promoter sequence-specific DNA binding; calcium ion binding; protein binding; sequence-specific DNA binding transcription factor activity
