



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

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| 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 MAGWIIQAQQLQGDLRQMQLVLYGQHFPIEVRYHLAQWIESQPWDAIDLDPQDRAQATQL LEGLVQELQKKAHQVGEDGFLLKIKLGHYATQLQKTYDRCPL |
| 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

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| 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 |