



Anti-STAT4 polyclonal antibody (DPAB-DC1735)

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

PRODUCT INFORMATION

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| Antigen Description | STAT4 (signal transducer and activator of transcription 4) is a protein-coding gene. Diseases associated with STAT4 include rheumatoid arthritis, and systemic lupus erythematosus, and among its related super-pathways are Th1 Differentiation and Immune response IL-23 signaling pathway. GO annotations related to this gene include sequence-specific DNA binding and sequence-specific DNA binding transcription factor activity. An important paralog of this gene is STAT5B. |
| Specificity | This antibody recognizes ~97 KDa Stat4. A ~60 KDa band can also be detected, presumably to be the cleavage fragment of Stat4. |
| Immunogen | A synthetic peptide corresponding to residues surrounding amino acids 732 of rat Stat4. |
| Isotype | IgG |
| Source/Host | Rabbit |
| Species Reactivity | Human, Mouse, Pig, Rat |
| Conjugate | Unconjugated |
| Applications | WB (Tissue lysate), |
| Format | Liquid |
| Size | 100 µg |
| Buffer | In PBS (30% glycerol, 0.5% BSA, 0.01% thimerosal) |
| Preservative | None |
| Storage | Store at -20°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and |

thawing.

GENE INFORMATION

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| Gene Name | Stat4 signal transducer and activator of transcription 4 [Rattus norvegicus (Norway rat)] |
| Official Symbol | STAT4 |
| Synonyms | STAT4; signal transducer and activator of transcription 4; |
| Entrez Gene ID | 367264 |
| Protein Refseq | NP_001012226 |
| UniProt ID | Q66HB2 |
| Chromosome Location | 9q22 |
| Pathway | Adipogenesis; B Cell Receptor Signaling Pathway; Disease; EGFR1 Signaling Pathway |
| Function | DNA binding; calcium ion binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity |
