



Mouse STAT3 blocking peptide (CDBP2833)

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

PRODUCT INFORMATION

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| Product Overview | STAT3 (C - term) peptide (mouse) |
| Antigen Description | The protein encoded by this gene is a member of the STAT protein family. 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 through phosphorylation in response to various cytokines and growth factors including IFNs, EGF, IL5, IL6, HGF, LIF and BMP2. This protein mediates the expression of a variety of genes in response to cell stimuli, and thus plays a key role in many cellular processes such as cell growth and apoptosis. The small GTPase Rac1 has been shown to bind and regulate the activity of this protein. PIAS3 protein is a specific inhibitor of this protein. Three alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Jul 2008] |
| Species | Mouse |
| Conjugate | Unconjugated |
| Applications | BL |
| Format | Liquid |
| Concentration | 0.2 mg/ml |
| Size | 100 µg |
| Buffer | PBS with 100ug BSA 0.1% sodium azide |
| Preservative | 0.1% Sodium Azide |
| Storage | Keep as concentrated solution, aliquot and store at 4°C. |

GENE INFORMATION

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| Gene Name | STAT3 signal transducer and activator of transcription 3 (acute-phase response factor) [Homo sapiens] |
| Official Symbol | STAT3 |
| Synonyms | STAT3; signal transducer and activator of transcription 3 (acute-phase response factor); signal transducer and activator of transcription 3; APRF; DNA-binding protein APRF; acute-phase response factor; HIES; FLJ20882; MGC16063; |
| Entrez Gene ID | 6774 |
| mRNA Refseq | NM_003150 |
| Protein Refseq | NP_003141 |
| UniProt ID | P40763 |
| Chromosome Location | 17q21 |
| Pathway | Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Adipogenesis, organism-specific biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; |
| Function | CCR5 chemokine receptor binding; DNA binding; calcium ion binding; glucocorticoid receptor binding; ligand-activated sequence-specific DNA binding RNA polymerase II transcription factor activity; non-membrane spanning protein tyrosine kinase activity; pro |