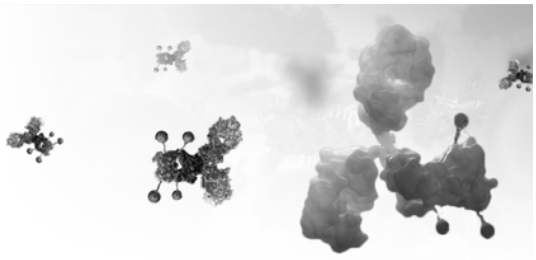

# Human STAT2 blocking peptide (CDBP2830)

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

## PRODUCT INFORMATION

| | |
|---|---|
| **Product Overview** | STAT2 ( C - term ) peptide ( human ) |
| **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. In response to interferon (IFN), this protein forms a complex with STAT1 and IFN regulatory factor family protein p48 (ISGF3G), in which this protein acts as a transactivator, but lacks the ability to bind DNA directly. Transcription adaptor P300/CBP (EP300/CREBBP) has been shown to interact specifically with this protein, which is thought to be involved in the process of blocking IFN-alpha response by adenovirus. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2010] |
| **Species** | Human |
| **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** | STAT2 signal transducer and activator of transcription 2, 113kDa [ Homo sapiens ] |
| **Official Symbol** | STAT2 |
| **Synonyms** | STAT2; signal transducer and activator of transcription 2, 113kDa; signal transducer and activator of transcription 2, 113kD; signal transducer and activator of transcription 2; STAT113; interferon alpha induced transcriptional activator; P113; ISGF-3; MGC59816; |
| **Entrez Gene ID** | 6773 |
| **mRNA Refseq** | NM_005419 |
| **Protein Refseq** | NP_005410 |
| **UniProt ID** | P52630 |
| **Chromosome Location** | 12q13.2 |
| **Pathway** | Adipogenesis, organism-specific biosystem; CXCR4-mediated signaling events, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; EGFR1 Signaling Pathway, organism-specific biosystem; Hepatitis C, organism-specific biosystem; |
| **Function** | DNA binding; calcium ion binding; protein binding; sequence-specific DNA binding transcription factor activity; signal transducer activity; |

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