

35-1319: Polyclonal Antibody to Stat2 (phospho-Tyr690)

| | |
|--------------------------------|------------------------------------------------------------------------------------------------------|
| Clonality : | Polyclonal |
| Application : | WB |
| Reactivity : | Human |
| Gene : | STAT2 |
| Gene ID : | 6773 |
| Uniprot ID : | P52630 |
| Format : | Purified |
| Alternative Name : | P113, ISGF-3, STAT113, MGC59816 |
| Isotype : | Rabbit IgG |
| Immunogen Information : | Peptide sequence around phosphorylation site of tyrosine 690 (R-K-Y(p)-L-K) derived from Human Stat2 |

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- α response by adenovirus. Multiple transcript variants encoding different isoforms have been found for this gene.

Product Info

| | |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Amount : | 50 μ l / 100 μ l |
| Content : | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage condition : | Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles. |

Application Note

Predicted MW: 113kd, Western blotting: 1:1000

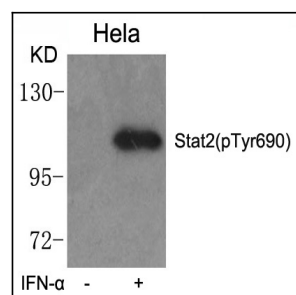


Figure 1: Western blot analysis of extracts from HeLa cells untreated or treated with IFN- α using Stat2(phospho-Tyr690) Antibody 35-1319 .