

## STAT2(phospho-Tyr690) Antibody

Catalog No: #11536



Package Size: #11536-1 50ul #11536-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

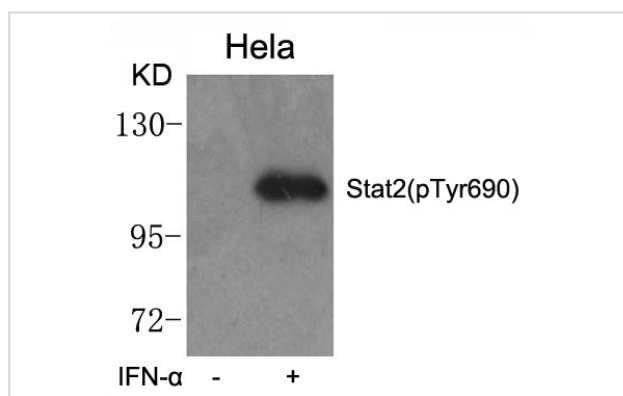
|                       |                                                                                                                                                                                                                                                                                         |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | STAT2(phospho-Tyr690) Antibody                                                                                                                                                                                                                                                          |
| Host Species          | Rabbit                                                                                                                                                                                                                                                                                  |
| Clonality             | Polyclonal                                                                                                                                                                                                                                                                              |
| Purification          | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates.<br>Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide. |
| Applications          | WB                                                                                                                                                                                                                                                                                      |
| Species Reactivity    | Hu                                                                                                                                                                                                                                                                                      |
| Specificity           | The antibody detects endogenous level of Stat2 only when phosphorylated at Tyrosine 690.                                                                                                                                                                                                |
| Immunogen Type        | Peptide-KLH                                                                                                                                                                                                                                                                             |
| Immunogen Description | Peptide sequence around phosphorylation site of tyrosine 690 (R-K-Y(p)-L-K) derived from Human Stat2                                                                                                                                                                                    |
| Target Name           | STAT2                                                                                                                                                                                                                                                                                   |
| Modification          | Phospho                                                                                                                                                                                                                                                                                 |
| Other Names           | P113; ISGF-3; STAT113; MGC59816;                                                                                                                                                                                                                                                        |
| Accession No.         | Swiss-Prot: P52630NCBI Protein: NP_005410.1                                                                                                                                                                                                                                             |
| Concentration         | 1.0mg/ml                                                                                                                                                                                                                                                                                |
| Formulation           | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                                            |
| Storage               | Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.                                                                                                                                                                                               |

## Application Details

Predicted MW: 113kd

Western blotting: 1:1000

## Images



Western blot analysis of extracts from HeLa cells untreated or treated with IFN-α using Stat2(phospho-Tyr690) Antibody #11536.

## Background

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.

Fu X.Y,et al.Proc. Natl. Acad. Sci. U.S.A. 89:7840-7843(1992)

Yan R,et al. Nucleic Acids Res. 23:459-463(1995)

Fu X.Y.Cell 70:323-335(1992)

Sugiyama T,et al.FEBS Lett. 381:191-194(1996)

## Published Papers

el at., 6-Hydroxy-3-O-methyl-kaempferol 6-O-glucopyranoside Potentiates the Anti-Proliferative Effect of Interferon  $\delta\text{O} / \epsilon^{\text{Y}}$  by Promoting Activation of the JAK/STAT Signaling by Inhibiting SOCS3 in Hepatocellular Carcinoma Cells.In Toxicol Appl Pharmacol on 2017 Dec 1 by Orawan Wonganan, Yu-Jiao He,et al..PMID: 29031523, , (2017)

[PMID:29031523](#)

el at., Expression of interferon effector gene SART1 correlates with interferon treatment response against hepatitis B infection. In Mediators Inflamm on 2016 by Yong Li, Chuanlong Zhu et al..PMID: 28077916, , (2016)

[PMID:28077916](#)

**Note:** This product is for in vitro research use only and is not intended for use in humans or animals.