

STAT2(phospho-Tyr690) Antibody

Catalog No: #11536

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

Description

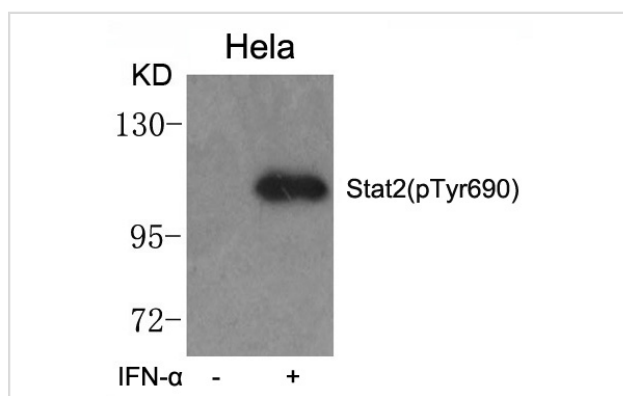
Product Name	STAT2(phospho-Tyr690) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific 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
Conjugates	Unconjugated
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 ²⁺ and Ca ²⁺), 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- α 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 δO / ϵ^{e} 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](#)

Feng Qi;Zhujun Yi;Yan Liu;Degong Jia;Hui Zhao;Gang Jiang;Jianping Gong el at., CMTM4 promotes PD-L1-mediated macrophage apoptosis by enhancing STAT2 phosphorylation in sepsis., , (2025)

[PMID:40122504](#)

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