STAT2(phospho-Tyr690) Antibody

Catalog No: #11536

Package Size: #11536-1 50ul #11536-2 100ul #11536-4 25ul

Overview

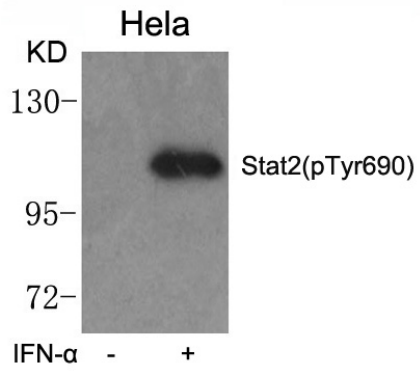
Product Name	STAT2(phospho-Tyr690) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB
Species Reactivity	Hu
Immunogen Type	Peptide-KLH
Target Name	STAT2
Modification	Phospho-Tyr690
Alternative Names	P113; ISGF-3; STAT113; MGC59816;

Application Details

Predicted MW: 113kd

Western blotting: 1:1000

Images



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

Descriptions

Immunogen	Peptide sequence around phosphorylation site of tyrosine 690 (R-K-Y(p)-L-K)derived from Human Stat2
Specificity	The antibody detects endogenous level of Stat2 only when phosphorylated at Tyrosine 690.
Purifiction	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 chromatogramphy using non-phosphopeptide.
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), 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.
Accession NO.	Swiss-Prot: P52630NCBI Protein: NP_005410.1

Related Information

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-a 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)