Product Datasheet

STAT2(phospho-Tyr690) Antibody

Catalog No: #11536

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

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

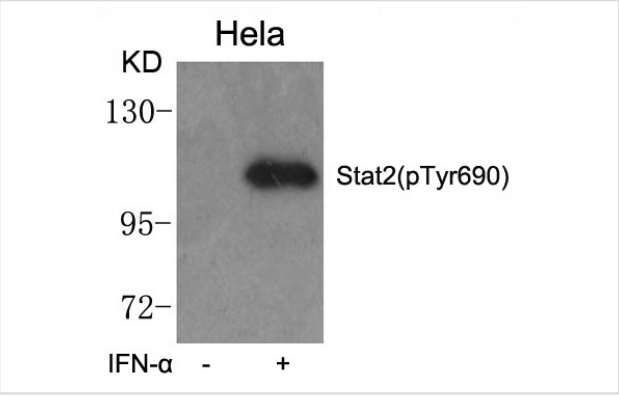
Product Name	STAT2(phospho-Tyr690) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy 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
Uniprot	P52630
GeneID	6773;
Concentration	1.0mg/ml
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.

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.

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-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)

Note: This product is for in vitro research use only