BT LAB
Bioassay Technology Laboratory
Optimize Your Research

Stat2(Phospho Tyr690) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP01648
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human STAT2 around the phosphorylation site of Tyr690. AA range:656-705
Mol wt	97916
Species reactivity	Human, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	Signal transducer and activator of transcription 2
Synonyms	Signal transducer and activator of transcription 2; STAT2; Signal transducer and activator of transcription 2; p113

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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.

Recommended Dilution

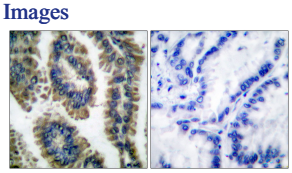
WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 1: 300

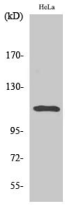
ELISA: 1: 20000

Not yet tested in other applications.

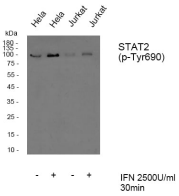
Images



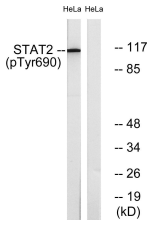
Immunohistochemistry analysis of paraffin-embedded human lung carcinoma, using STAT2 (Phospho-Tyr690) Antibody. The picture on the right is blocked with the phospho peptide.



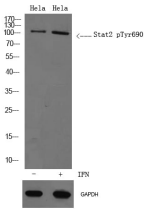
Western blot analysis of lysates from Hela cells treated with IFN 2500U/ml 30' , using Stat2 p-Thr690 Antibody. Primary Antibody was diluted at 1:1000 4°C overnight,secondary antibody was diluted at 1:10000, 37°C 1hour.



Western blot analysis of Stat2 (phospho Tyr690) Polyclonal Antibody, using Hela,Jurkat cell treated or untreated with IFN 2500U/ml 30', 4°C overnight, secondary antibody was diluted at 1:10000, 37°C 1hour.



Western Blot analysis of various cells using Phospho-Stat2 (Y690) Polyclonal Antibody



Western blot analysis of lysates from HeLa cells treated with IFN 2500U/ml 30', using STAT2 (Phospho-Tyr690) Antibody. The lane on the right is blocked with the phospho peptide.

Storage

-20°C for 1 year

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China
Tel: 86 21 31007137 | E-mail: save@bt-laboratory.com | www.bt-laboratory.com