BT LAB
Bioassay Technology Laboratory
Optimize Your Research

Stat2 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP14536
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Synthesized peptide derived from human Stat2 around the non-phosphorylation site of Y631.
Mol wt	N/A
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF
Concentration	N/A
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.

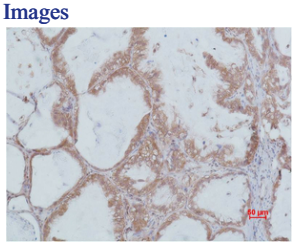
Recommended Dilution

WB: 1: 500 - 1: 2000

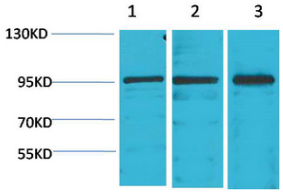
IHC-p: 1: 50 - 1: 300

Not yet tested in other applications.

Images



Immunohistochemical analysis of paraffin-embedded Human Lung caricnoma using Stat2 Polyclonal Antibody.



Western blot analysis of 1) K562, 2) Mouse Heart Tissue, 3) Rat Heart Tissue using Stat2 Polyclonal Antibody. Secondary antibody was diluted at 1:20000

Storage

-20°C for 1 year

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