

# Stat2(Phospho Tyr631) Polyclonal Antibody

BT-AP14530

## Description

Code

Product type Primary Antibody

Host Rabbit

Isotype IgG

Size 100ul, 50ul, 20ul

Immunogen The antiserum was produced against synthesized peptide derived from human STAT2 around the

phosphorylation site of Tyr631. AA range:597-646

Mol wt 97916

Species reactivity Human, Mouse, Rat

**Clonality** Polyclonal

Recommended application 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**

IHC-p: 1: 100 - 1: 300 ELISA: 1: 40000

Not yet tested in other applications.

#### **Images**

No images.

### Storage

-20°C for 1 year