

## Phospho-STAT2-Y690

**Reactivity:** Human

**Tested applications:** WB

**Recommended Dilution:** WB 1:500 - 1:1000

**Calculated MW:** 113kDa

**Observed MW:** Refer to Figures

**Immunogen:**

A phospho specific peptide corresponding to residues surrounding Y690 of human STAT2

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

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**Synonym:**

P113; ISGF-3; STAT113;

**Catalog #:** AP0284

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 6773

**Isotype:** IgG

**Swiss Prot:** P52630

**Purity:** Affinity purification

For research use only.

**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.

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