

## 35-1740: Polyclonal Antibody to STAT2 (Ab-690)

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB,IHC
<b>Reactivity :</b>	Human
<b>Gene :</b>	STAT2
<b>Gene ID :</b>	6773
<b>Uniprot ID :</b>	P52630
<b>Format :</b>	Purified
<b>Alternative Name :</b>	P113, ISGF-3, STAT113
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	Peptide sequence around aa.688~692 (R-K-Y-L-K) derived from Human STAT2.

### Description

STAT2 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.

### Product Info

<b>Amount :</b>	50 $\mu$ l / 100 $\mu$ l
<b>Content :</b>	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Storage condition :</b>	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

Predicted MW: 113kd, Western blotting: 1:500~1:1000, Immunohistochemistry: 1:50~1:100

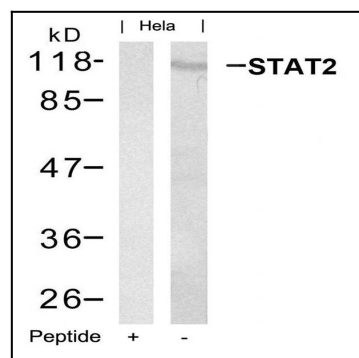


Figure 1: Western blot analysis of extracts from HeLa cells using STAT2(Ab-690) Antibody 35-1740 and the same antibody preincubated with blocking peptide.

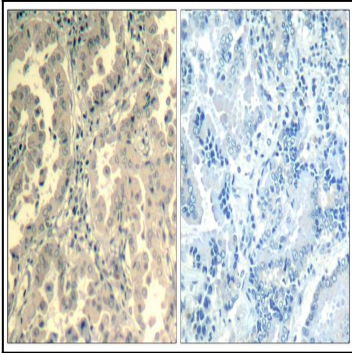


Figure 2: Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using STAT2(Ab-690) Antibody 35-1740 (left) or the same antibody preincubated with blocking peptide(right).