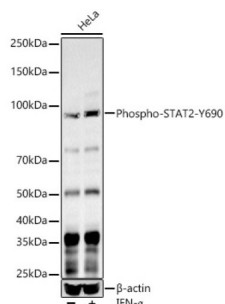


# Signal Transducer and Activator of Transcription 2 Phospho-Tyr690 (STAT2 pY690) Antibody

Catalogue No.: abx000335



Western blot analysis of lysates from HeLa cells, using Phospho-STAT2-Y690 Antibody at 1/500 dilution. HeLa cells were treated by IFN- $\alpha$  (100 ng/ml) at 37 °C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25  $\mu$ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 60s.

STAT2 (pY690) Antibody is a Rabbit Polyclonal antibody against STAT2 (pY690). 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.

<b>Target:</b>	Signal Transducer and Activator of Transcription 2 Phospho-Tyr690 (STAT2 pY690)
<b>Clonality:</b>	Polyclonal
<b>Target Modification:</b>	Tyr690
<b>Modification:</b>	Phosphorylation
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Tested Applications:</b>	ELISA, WB
<b>Host:</b>	Rabbit
<b>Recommended dilutions:</b>	ELISA: 1 $\mu$ g/ml, WB: 1/100 - 1/500. Optimal dilutions/concentrations should be determined by the end user.
<b>Conjugation:</b>	Unconjugated
<b>Immunogen:</b>	A synthetic phosphorylated peptide around Y690 of human STAT2.
<b>Isotype:</b>	IgG

# Datasheet

Version: 5.0.0  
Revision date: 25 Jun 2025



<b>Form:</b>	Liquid
<b>Purification:</b>	Purified by affinity chromatography.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
<b>UniProt Primary AC:</b>	P52630 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
<b>Gene Symbol:</b>	STAT2
<b>GeneID:</b>	<a href="#">6773</a>
<b>NCBI Accession:</b>	NP_005410.1
<b>KEGG:</b>	hsa:6773
<b>String:</b>	<a href="#">9606.ENSP00000315768</a>
<b>Molecular Weight:</b>	Calculated MW: 98 kDa Observed MW: 97 kDa
<b>Buffer:</b>	PBS, pH 7.3, containing 0.09% sodium azide, 50% glycerol.
<b>Concentration:</b>	> 0.2 mg/ml
<b>Note:</b>	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.