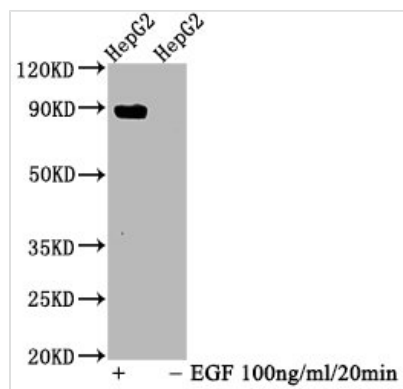




# Phospho-STAT5A (Y694) Recombinant Monoclonal Antibody

<b>Product Code</b>	CSB-RA022814A694phHU
<b>Abbreviation</b>	Signal transducer and activator of transcription 5A
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	P42229
<b>Immunogen</b>	A synthesized peptide derived from Human Phospho-STAT5A (Y694)
<b>Species Reactivity</b>	Human
<b>Tested Applications</b>	ELISA, WB, IHC; Recommended dilution: WB:1:500-1:5000, IHC:1:50-1:200
<b>Relevance</b>	Carries out a dual function: signal transduction and activation of transcription. Mediates cellular responses to the cytokine KITLG/SCF and other growth factors. Mediates cellular responses to ERBB4. May mediate cellular responses to activated FGFR1, FGFR2, FGFR3 and FGFR4. Binds to the GAS element and activates PRL-induced transcription. Regulates the expression of milk proteins during lactation.
<b>Form</b>	Liquid
<b>Conjugate</b>	Non-conjugated
<b>Storage Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Purification Method</b>	Affinity-chromatography
<b>Isotype</b>	Rabbit IgG
<b>Clonality</b>	Monoclonal
<b>Alias</b>	Signal transducer and activator of transcription 5A, STAT5A, STAT5
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Research Area</b>	Signal Transduction
<b>Gene Names</b>	STAT5A
<b>Clone No.</b>	3F1

Image



#### Western Blot

Positive WB detected in HepG2 whole cell lysate(treated with EGF or not)

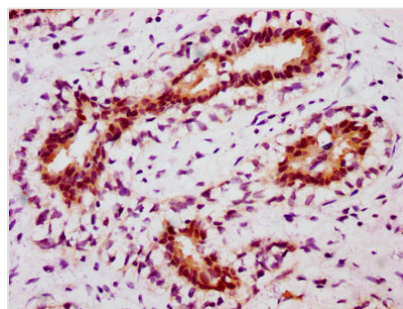
All lanes Phospho-STAT5A antibody at 1.025μg/ml

Secondary

Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 90 KDa

Observed band size: 90 KDa



IHC image of CSB-RA022814A694pH1U diluted at 1:100 and staining in paraffin-embedded human breast cancer performed on a Leica Bond<sup>TM</sup> system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4? overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

## Description

The rabbit IgG recombinant phospho-STAT5A (Y694) monoclonal antibody specifically targets the phosphorylated STAT5A at Tyr 694. The DNA encoding the phospho-STAT5A (Y694) monoclonal antibody was inserted into the plasmid and subsequently transfected into the cell line for expression. The product was purified through the affinity-chromatography method to get the pY694-STAT5A recombinant antibody. This phospho-STAT5A (Y694) antibody shows reactivity with human samples. It has been validated for ELISA, WB, and IHC applications.

STAT5, frequently activated in hematological malignancies, is a critical signaling node downstream of the BCR-ABL oncogene. STAT5 is typically activated when phosphorylated at Tyr 694 residue in the C-terminus by receptor-associated Jaks. In certain malignancies of both hematopoietic and non-hematopoietic origin, phosphorylation of STAT5 at Tyr 694 is required for cell survival, proliferation, angiogenesis, and metastasis.