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## anti-STAT5A antibody (pTyr694)





## Overview

Quantity:	100 μL
Target:	STAT5A
Binding Specificity:	pTyr694
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STAT5A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

### **Product Details**

Immunogen:	A synthesized peptide derived from human STAT5A around the phosphorylation site of Tyrosine 694
Isotype:	IgG
Specificity:	Phospho-STAT5A (Tyr694) Antibody detects endogenous levels of STAT5A only when phosphorylated at Tyrosine 694
Cross-Reactivity:	Human, Mouse (Murine), Rat (Rattus)
Purification:	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.

## **Target Details**

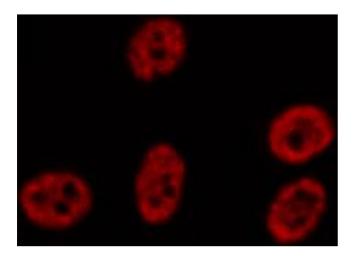
Target:	STAT5A
Alternative Name:	STAT5A (STAT5A Products)
Background:	Description: Carries out a dual function: signal transduction and activation of transcription.  Mediates cellular responses to the cytokine KITLG/SCF and other growth factors. Mediates cellular responses to ERBB4. May mediate cellular 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.  Gene: STAT5A
Molecular Weight:	90kDa
Gene ID:	6776
UniProt:	P42229, P51692
Pathways:	JAK-STAT Signaling, RTK Signaling, Response to Growth Hormone Stimulus, C21-Steroid  Hormone Metabolic Process, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, CXCR4-mediated Signaling Events, Activated T Cell Proliferation

## **Application Details**

Application Notes:

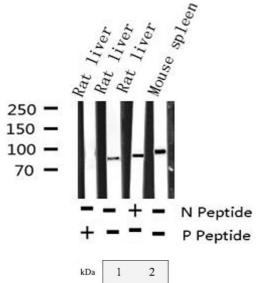
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 $\%$ sodium azide and 50 $\%$ glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C.Stable for 12 months from date of receipt
Expiry Date:	12 months

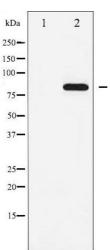
WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500



#### Immunofluorescence (fixed cells)

**Image 1.** ABIN6267514 staining RAW264.7 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.





#### **Western Blotting**

**Image 2.** Western blot analysis of Phospho-STAT5A (Tyr694) expression in various lysates

#### **Western Blotting**

**Image 3.** Western blot analysis of STAT5A phosphorylation expression in EGF treated HeLa whole cell lysates, The lane on the left is treated with the antigen-specific peptide.

Please check the product details page for more images. Overall 4 images are available for ABIN6256791.