# antibodies -online.com





## anti-STAT5A antibody (pTyr694)

3 Images



Publication



Go to Product page

Overview	
Quantity:	400 μL
Target:	STAT5A
Binding Specificity:	pTyr694
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STAT5A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)
Droduct Dataila	
Product Details	
Immunogen:	This STAT5a Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding Y694 of human STAT5a.
Immunogen:	phosphopeptide corresponding to amino acid residues surrounding Y694 of human STAT5a.
Immunogen: Clone:	phosphopeptide corresponding to amino acid residues surrounding Y694 of human STAT5a.  RB5956
Immunogen:  Clone: Isotype:	phosphopeptide corresponding to amino acid residues surrounding Y694 of human STAT5a.  RB5956  Ig Fraction
Immunogen:  Clone:  Isotype:  Purification:	phosphopeptide corresponding to amino acid residues surrounding Y694 of human STAT5a.  RB5956  Ig Fraction

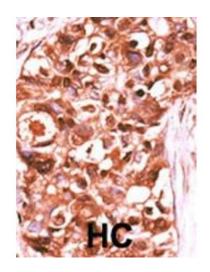
### **Target Details**

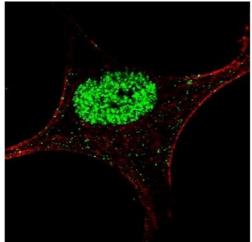
STAT5a is a member of the STAT family of transcription factors. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases,
and then form homo- or heterodimers that translocate to the cell nucleus where they act as
transcription activators. This protein is activated by, and mediates the responses of many cell
ligands, such as IL2, IL3, IL7 GM-CSF, erythropoietin, thrombopoietin, and different growth
hormones. Activation of this protein in myeloma and lymphoma associated with a TEL/JAK2
gene fusion is independent of cell stimulus and has been shown to be essential for the
tumorigenesis. The mouse counterpart of this protein is found to induce the expression of
BCL2L1/BCL-X(L), which suggests the antiapoptotic function of this protein in cells.
90647
6776
NP_003143
P42229
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
IF: 1:200. WB: 1:1000. IHC-P: 1:50~100
For Research Use only
Liquid
Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Sodium azide
This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
should be handled by trained staff only.
4 °C,-20 °C
Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in sma
aliquots to prevent freeze-thaw cycles.
6 months

Product cited in:

Bannon, Johnson, Michelhaugh, Hartley, Halter, David, Kapatos, Schmidt: "A molecular profile of cocaine abuse includes the differential expression of genes that regulate transcription, chromatin, and dopamine cell phenotype." in: **Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology**, Vol. 39, Issue 9, pp. 2191-9, (2014) ( PubMed).

#### **Images**



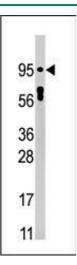


#### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.

#### **Immunofluorescence**

Image 2. Fluorescent confocal image of an SY5Y cell stained with (ABIN389668 and ABIN2839647) Phospho-STAT5a antibody. SY5Y cells were fixed with 4 % PFA (20 min), permeabilized with Triton X-100 (0.2 %, 30 min), then incubated with (ABIN389668 and ABIN2839647) Phospho-STAT5a primary antibody (1:200, 2 h at room temperature). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:1000, 1h).Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (5.25  $\mu$ M, 25 min). Nuclei were counterstained with Hoechst 33342 (blue) (10  $\mu$ g/mL, 3 min)(not shown). Phospho-STAT5a immunoreactivity is localized exclusively to the nucleus.



#### **Western Blotting**

**Image 3.** Western blot analysis of anti-Phospho-STAT5 Pab (ABIN389668 and ABIN2839647) in HepG2 cell line lysate (35  $\mu$ g/lane). Phospho-STAT5(arrow) was detected using the purified Pab.