

### STAT5B (Phospho-Ser731) Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP52370

## **Specification**

## STAT5B (Phospho-Ser731) Antibody - Product Information

Application WB, IHC
Primary Accession P42229
Other Accession P51692
Reactivity Human
Host Rabbit
Clonality Polyclonal
Calculated MW 90647

## STAT5B (Phospho-Ser731) Antibody - Additional Information

#### **Gene ID 6776**

#### **Other Names**

Signal transducer and activator of transcription 5A, STAT5A, STAT5

### **Dilution**

WB~~1:1000 IHC~~1:50~100

#### **Format**

Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.

## **Storage Conditions**

-20°C

#### STAT5B (Phospho-Ser731) Antibody - Protein Information

#### **Name STAT5A**

## **Synonyms** STAT5

### **Function**

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.

### **Cellular Location**

Cytoplasm. Nucleus. Note=Translocated into the nucleus in response to phosphorylation

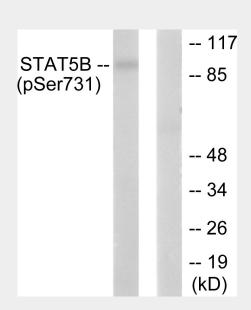


# STAT5B (Phospho-Ser731) Antibody - Protocols

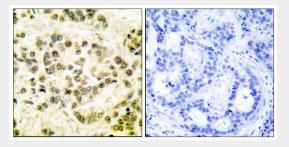
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# STAT5B (Phospho-Ser731) Antibody - Images



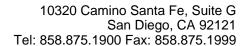
Western blot analysis of extracts from RAW264.7 cells, treated with EGF (200ng/ml, 30mins), using STAT5B (phospho-Ser731) antibody.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using STAT5B (phospho-Ser731) antibody.

## STAT5B (Phospho-Ser731) Antibody - Background

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# STAT5B (Phospho-Ser731) Antibody - References

Hou J.,et al.Immunity 2:321-329(1995). Lin J.X.,et al.Submitted (DEC-1995) to the EMBL/GenBank/DDBJ databases. Tan D.,et al.Submitted (APR-2006) to the EMBL/GenBank/DDBJ databases. Ota T.,et al.Nat. Genet. 36:40-45(2004). Zody M.C.,et al.Nature 440:1045-1049(2006).