

**STAT5A (aa681-692) Antibody (internal region)**  
Peptide-affinity purified goat antibody  
Catalog # AF3719a

**Specification**

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**STAT5A (aa681-692) Antibody (internal region) - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P42229</a>
Other Accession	<a href="#">NP_003143.2</a> , <a href="#">6776</a> , <a href="#">20850 (mouse)</a> , <a href="#">24918 (rat)</a>
Reactivity	<b>Human</b>
Predicted	<b>Mouse, Rat, Dog</b>
Host	<b>Goat</b>
Clonality	<b>Polyclonal</b>
Concentration	<b>0.5 mg/ml</b>
Isotype	<b>IgG</b>
Calculated MW	<b>90647</b>

**STAT5A (aa681-692) Antibody (internal region) - Additional Information**

**Gene ID** 6776

**Other Names**

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

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

STAT5A (aa681-692) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**STAT5A (aa681-692) Antibody (internal region) - 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

#### STAT5A (aa681-692) Antibody (internal region) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### STAT5A (aa681-692) Antibody (internal region) - Images



AF3719a (0.1  $\mu\text{g/ml}$ ) staining of K562 lysate (35  $\mu\text{g}$  protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF3719a (0.1 µg/ml) staining of K562 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

#### **STAT5A (aa681-692) Antibody (internal region) - Background**

This antibody is not expected to cross-react with STAT5B.

#### **STAT5A (aa681-692) Antibody (internal region) - References**

Src directly tyrosine-phosphorylates STAT5 on its activation site and is involved in erythropoietin-induced signaling pathway. Okutani Y, Kitanaka A, Tanaka T, Kamano H, Ohnishi H, Kubota Y, Ishida T, Takahara J. *Oncogene*. 2001 Oct 4;20(45):6643-50. PMID: 11641791