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# STAT5A Antibody (C-Term)

**Peptide-affinity purified goat antibody**
**Catalog # AF3718a**

## Specification

### STAT5A Antibody (C-Term) - Product Information

| | |
|---|---|
| Application | **WB, IHC** |
| Primary Accession | P42229 |
| Other Accession | NP_003143.2, 6776, 20850 (mouse), 24918 (rat) |
| Reactivity | **Human** |
| Predicted | **Mouse, Rat** |
| Host | **Goat** |
| Clonality | **Polyclonal** |
| Concentration | **0.5 mg/ml** |
| Isotype | **IgG** |
| Calculated MW | **90647** |

### STAT5A Antibody (C-Term) - 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 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

### STAT5A Antibody (C-Term) - 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.

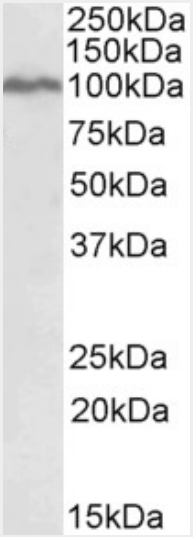
**Cellular Location**
Cytoplasm. Nucleus. Note=Translocated into the nucleus in response to phosphorylation

## STAT5A Antibody (C-Term) - Protocols

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

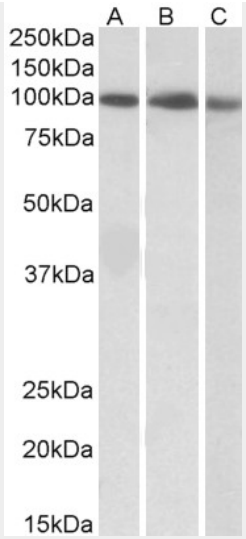
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## STAT5A Antibody (C-Term) - Images

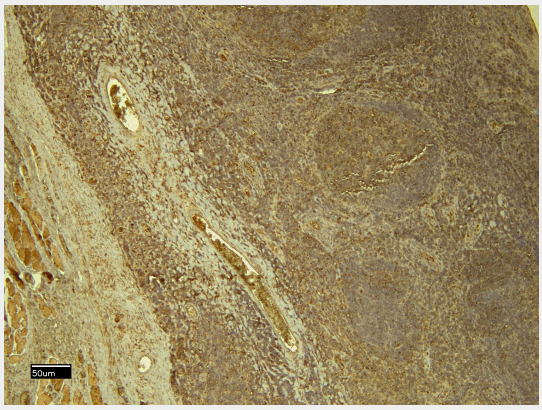



AF3718a (0.3 µg/ml) staining of K562 (A), Molt4 (B) and NIH3T3 (C) lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

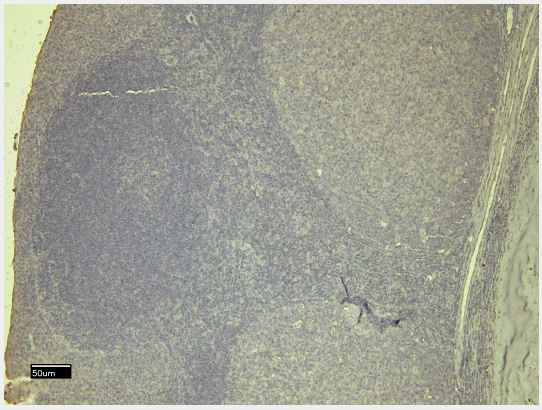
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EB11392 (0.3µg/ml) staining of K562 (A), Molt4 (B) and NIH3T3 (C) lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.




EB11392 (8µg/ml) staining of paraffin embedded Human Tonsil. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.




EB11392 Negative Control showing staining of paraffin embedded Human Tonsil, with no primary antibody.

**STAT5A Antibody (C-Term) - Background**

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

**STAT5A Antibody (C-Term) - 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