

## Anti-Phospho-Stat5 (Y694) STAT5A Rabbit Monoclonal Antibody Catalog # ABO13163

### Specification

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#### Anti-Phospho-Stat5 (Y694) STAT5A Rabbit Monoclonal Antibody - Product Information

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC                |
| Primary Accession | <a href="#">P42229</a> |
| Host              | Rabbit                 |
| Isotype           | Rabbit IgG             |
| Reactivity        | Human, Mouse           |
| Clonality         | Monoclonal             |
| Format            | Liquid                 |

#### Description

Anti-Phospho-Stat5 (Y694) STAT5A Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human, Mouse.

#### Anti-Phospho-Stat5 (Y694) STAT5A Rabbit Monoclonal Antibody - Additional Information

**Gene ID** 6776

#### Other Names

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

#### Calculated MW

90647 MW KDa

#### Application Details

WB 1:500-1:2000<br>IHC 1:50-1:200

#### Subcellular Localization

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

#### Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

#### Immunogen

A synthesized peptide derived from human Phospho-Stat5 (Y694)

#### Purification

Affinity-chromatography

#### Storage

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

#### Anti-Phospho-Stat5 (Y694) STAT5A Rabbit Monoclonal 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**

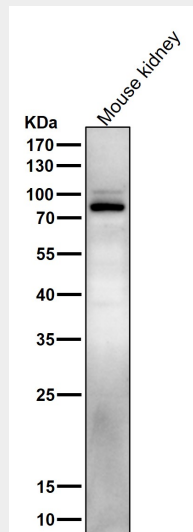
Cytoplasm. Nucleus. Note=Translocated into the nucleus in response to phosphorylation

**Anti-Phospho-Stat5 (Y694) STAT5A Rabbit Monoclonal Antibody - Protocols**

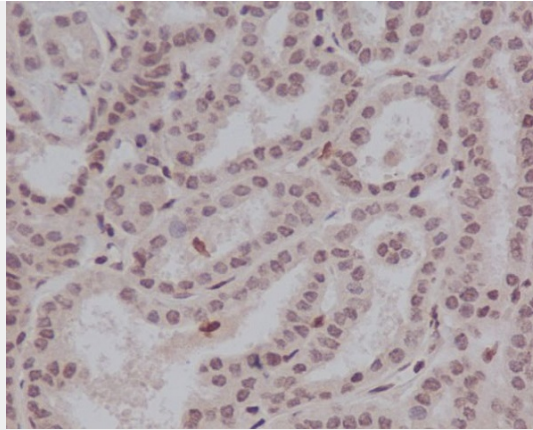
Provided below are standard protocols that you may find useful for product applications.

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

**Anti-Phospho-Stat5 (Y694) STAT5A Rabbit Monoclonal Antibody - Images**



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



Immunohistochemical analysis of paraffin-embedded human thyroid, using Phospho-Stat5 (Y694) Antibody.

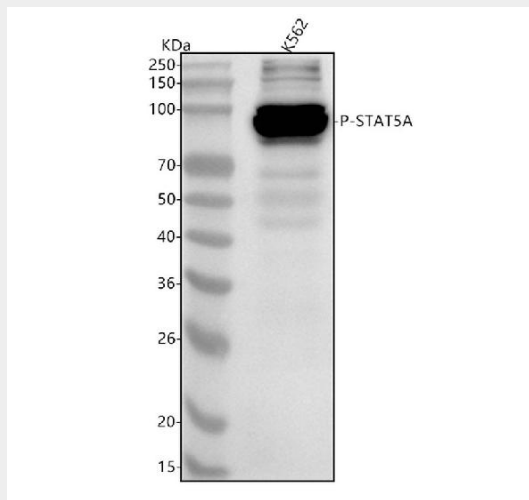


Figure 1. Western blot analysis of STAT5A using anti-STAT5A antibody (P01087-1). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human K562 whole cell lysates.

After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-STAT5A antigen affinity purified monoclonal antibody (Catalog # P01087-1) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for STAT5A at approximately 95 kDa. The expected band size for STAT5A is at 91 kDa.