



## **Rabbit anti STAT5A (pY694) Polyclonal Antibody**

**Alternative Name(s):** Signal transducer and activator of transcription 5a (STAT5a)

### **Order Information**

- **Description:** STAT5A (pY694)
- **Catalogue:** 500-12084
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB, IP
- **Reactivity:** Hu, Ms

### **ANTIGEN PREPARATION**

synthetic peptide surrounding to the epitope --KAVDG-Y-VKPQI- with phosphorylation sites at Tyrosine 694 of STAT5a protein from human, mouse, rat, chicken dog and bovine origins.

### **BACKGROUND**

STAT proteins (Signal transducer and activator of transcription) belong to a family of cytoplasmic transcription factors that can be phosphorylated by a ligand binding to its cell surface receptor. Activation of STAT5a induces dimerization, nuclear translocation and DNA binding. Stat5A is activated by IL-2, IL-7, IL-15, IL-3, GM-CSF, growth hormone, prolactin, erythropoietin and thrombopoietin; activation and dimerization of Stat5A requires phosphorylation of tyrosine 694.

### **PURIFICATION**

The Rabbit IgG is purified by site-modified Epitope Affinity Purification.

### **FORMULATION**

This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer

### **SPECIFICITY**

This antibody recognizes STAT5a (pY694) with a phosphorylated sites of Ser694. It does not cross-react with non-phosphospecific peptide.

### **STORAGE**

The antibodies are stable for 24 months from date of receipt when stored at -20oC to -70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

### **APPLICATIONS/SUGGESTED WORKING DILUTIONS\***

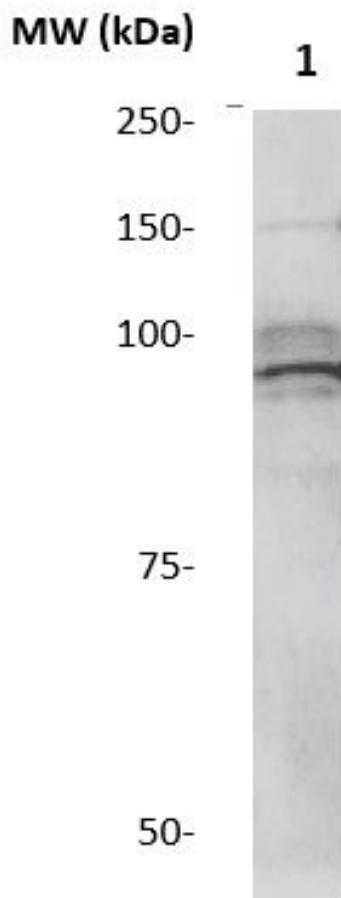
- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 92.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

\*Optimal dilutions should be determined by researchers for the specific applications.

### **FOR RESEARCH USE ONLY.**

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## DATA ATTACHMENTS



Western Blot: The whole tissue lysate derived from 30 min post-treatment of 200 uM GH mouse liver was immunoblotted by Rabbit anti STAT5a (pY694) (Cat#500-12084) antibody at 1:500. An major immunoreactive band around ~90kDa was observed.

## REFERENCES

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