

## STAT5 (Phospho Tyr694) (PT0067R) PT™ Rabbit mAb

CatalogNo: YM8629 **Recombinant** 

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, IHC, IF, ELISA

#### MW

- 91kD (Calculated)
- 105kD (Observed)

#### Isotype

- IgG, Kappa

### Recommended Dilution Ratios

**IHC 1:100-1:500****WB 1:2000-1:10000****IF 1:200-1:1000****ELISA 1:5000-1:20000**

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

### Basic Information

**Clonality** Monoclonal**Clone Number** PT0067R

### Immunogen Information

**Specificity** This antibody detects endogenous levels of STAT5A/B only when phosphorylated at Tyr694. This antibody does not recognize phosphorylated at other sites.

## Target Information

**Gene name** STAT5A/STAT5B

**Protein Name** Signal transducer and activator of transcription 5A/B

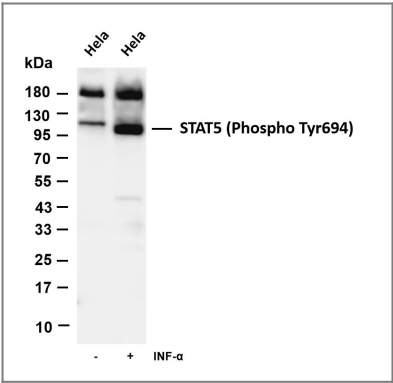
Organism	Gene ID	UniProt ID
Human	<a href="#">6776</a> ; <a href="#">6777</a> ;	<a href="#">P42229</a> ; <a href="#">P51692</a> ;
Mouse	<a href="#">20850</a> ; <a href="#">20851</a> ;	
Rat	<a href="#">24918</a> ; <a href="#">25126</a> ;	<a href="#">Q62771</a> ; <a href="#">P52632</a> ;

**Cellular Localization** Cytoplasm, Nucleus

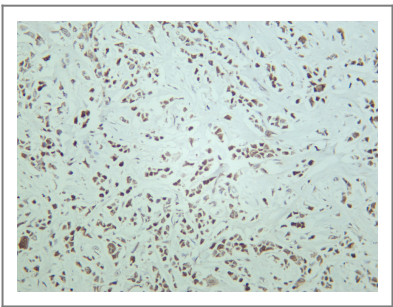
**Tissue specificity** Brain,Cervix,Epithelium,Lung,Placenta,Synovial membrane

**Function** Function:Carries out a dual Function: signal transduction and activation of transcription. Binds to the GAS element and activates PRL-induced transcription.,online information:STAT5 entry,PTM:Tyrosine phosphorylated in response to IL-2, IL-3, IL-7, IL-15, GM-CSF, growth hormone, prolactin, erythropoietin and thrombopoietin. Tyrosine phosphorylation is required for DNA-binding activity and dimerization. Serine phosphorylation is also required for maximal transcriptional activity.,similarity:Belongs to the transcription factor STAT family.,similarity:Contains 1 SH2 domain.,subcellular location:Translocated into the nucleus in response to phosphorylation.,subunit:Forms a homodimer or a heterodimer with a related family member. Binds NR3C1 (By similarity). Interacts with NCOA1 and SOCS7.,

## Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-STAT5 (Phospho Tyr694) antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: HeLa serum starvation for 4 hours then treated with INF-α (100 ng/mL) for 5 minutes Predicted band size: 91kDa Observed band size: 105kDa



Human breast was stained with anti-STAT5 (Phospho Tyr694) rabbit antibody

## | Contact information

Orders: order.cn@immunoway.com  
Support: support.cn@immunoway.com  
Telephone: 400-8787-807(China)  
Website: <http://www.immunoway.com.cn>  
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code  
to access additional  
product information:

**STAT5 (Phospho  
Tyr694) (PT0067R)  
PT™ Rabbit mAb**

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