

## STAT5A/B (Phospho Ser726/731) Rabbit pAb

CatalogNo: YP0928 **Orthogonal Validated** 

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, IHC, IF, ELISA

#### MW

- 91kD (Observed)

#### Isotype

- IgG

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Recommended Dilution Ratios

**WB 1:500-1:2000**

**IHC 1:100-1:300**

**IF 1:200-1:1000**

**ELISA 1:20000**

**Not yet tested in other applications.**

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from human STAT5A/B around the phosphorylation site of Ser725/730. AA range:696-745

## Specificity

This antibody detects endogenous levels of STAT5A/B only when phosphorylated at Human:S726/731, Mouse:S725/730, Rat:S725/730..The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):APsPV

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## | 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> ;

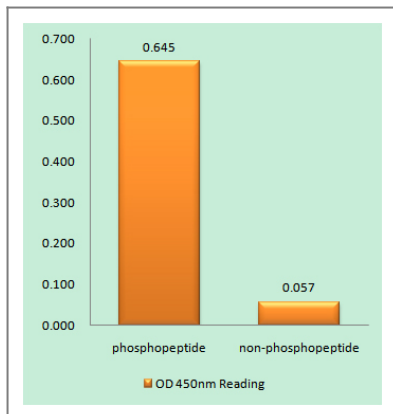
**Cellular Localization** Cytoplasm . Nucleus . Translocated into the nucleus in response to phosphorylation.

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

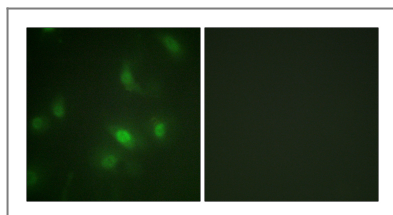
**Function** Function:Carries out a dual Function: signal transduction and activation of transcription. Binds to the GAS element and activates PRL-induced transcription. ,online information:STAT5 entry ,PTM:Tyrosine phosphorylated in response to IL-2 , IL-3 , IL-7 , IL-15 , GM-CSF , growth hormone , 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. ,

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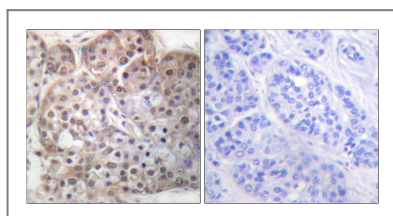
## | Validation Data



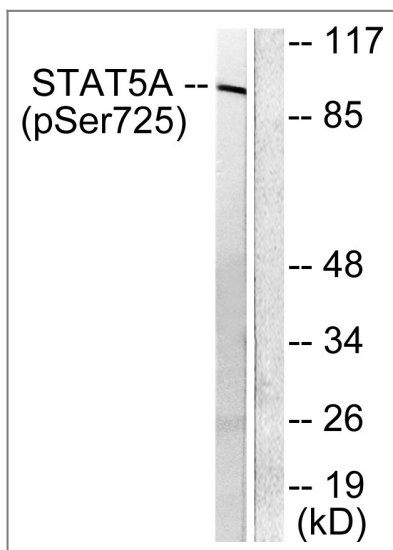
Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using STAT5A/B (Phospho-Ser725/730) Antibody



Immunofluorescence analysis of HepG2 cells, using STAT5A/B (Phospho-Ser725/730) Antibody. The picture on the right is blocked with the phosphopeptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using STAT5A/B (Phospho-Ser725/730) Antibody. The picture on the right is blocked with the phosphopeptide.



Western blot analysis of lysates from Jurkat cells treated with EGF 200ng/ml 30', using STAT5A/B (Phospho-Ser725/730) Antibody. The lane on the right is blocked with the phosphopeptide.

## 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:  
**STAT5A/B (Phospho Ser726/731) Rabbit pAb**

