# Phospho-STAT5A/B (Ser725/730) Ab

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| Cat.#: AF3304 | Concn.: 1mg/ml | Mol.Wt.: 90kDa |
| Size: 100ul,200ul | Source: Rabbit | Clonality: Polyclonal |

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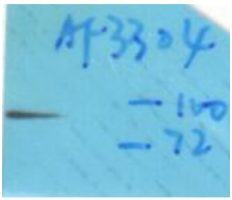
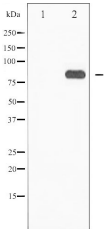
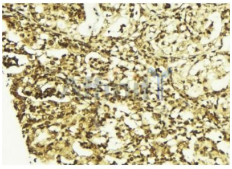
| Application: | WB 1:500-1:2000 IHC 1:50-1:200 IF/ICC 1:100-1:500 |
| Reactivity: | Human,Mouse,Rat |
| Purification: | The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns. |
| Specificity: | Phospho-STAT5A/B (Ser725/730) Ab detects endogenous levels of STAT5A/B only when phosphorylated at Serine 725/730. |
| Immunogen: | A synthesized peptide derived from human STAT5A/B around the phosphorylation site of Serine 725/730. |
| Uniprot: | P42229/P51692 |
| Description: | STAT5B transcription factor of the STAT family. Phosphorylated and activated by receptor-associated kinases triggered by cytokines including IL2, IL3, GM-CSF, and various growth hormones. It has been shown to be involved in diverse biological processes, such as TCR signaling, apoptosis, adult mammary gland development, and sexual dimorphism of liver gene expression. |
| Subcellular Location: | Cytoplasm. Nucleus. Translocated into the nucleus in response to phosphorylation. |
| Similarity: | Belongs to the transcription factor STAT family. |
| Storage Condition and Buffer: | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt. |



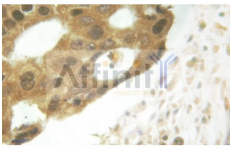

Western blot analysis of Phospho-STAT5A/B (Ser725/730) Ab expression in EGF treated Jurkat cells lysates.The lane on the right is treated with the antigen-specific peptide.




Western blot analysis of STAT5A/B phosphorylation expression in EGF treated Jurkat whole cell lysates,The lane on the left is treated with the antigen-specific peptide.

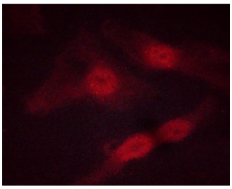


AF3304 at 1/100 staining Human breast cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.



AF3304 at 1/100 staining human breast carcinoma tissues sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 ho

AF3304 staining RAW264.7 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An  Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.



AF3304 staining HeLa cells by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37°C. The primary Ab was diluted 1/400 and incubated with the sample for 1 hour at 37°C. A Alexa Fluor 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondary Ab.

*IMPORTANT:* For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.