

## Product datasheet

# Anti-STAT5α (phospho Y694) antibody [6.F1] ab106095

★★★★☆ 1 Abreviews 3 Images

### Overview

<b>Product name</b>	Anti-STAT5a (phospho Y694) antibody [6.F1]
<b>Description</b>	Mouse monoclonal [6.F1] to STAT5a (phospho Y694)
<b>Host species</b>	Mouse
<b>Specificity</b>	ab106095 is specific for STAT5a protein phosphorylated at Y694.
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human <b>Predicted to work with:</b> Rat
<b>Immunogen</b>	A synthetic peptide corresponding to residues surrounding Y694 of Mouse STAT5a protein.

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 0.42% Potassium phosphate, 0.88% Sodium chloride
<b>Purity</b>	Protein A purified
<b>Purification notes</b>	NK92 cell lysate; Human breast tissue; 3T3 cells.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	6.F1
<b>Isotype</b>	IgG1

### Applications

Our [Abpromise guarantee](#) covers the use of **ab106095** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

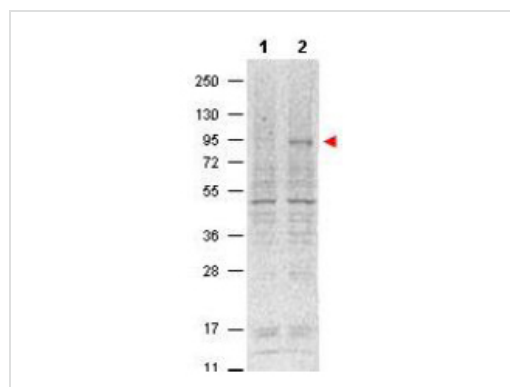
Application	Abreviews	Notes
WB		1/500 - 1/2000. Predicted molecular weight: 91 kDa.

Application	Abreviews	Notes
IHC-P	★★★★☆	Use a concentration of 20 - 40 µg/ml.
ICC/IF		1/50 - 1/1000.

## Target

<b>Function</b>	Carries out a dual function: signal transduction and activation of transcription. Binds to the GAS element and activates PRL-induced transcription.
<b>Sequence similarities</b>	Belongs to the transcription factor STAT family. Contains 1 SH2 domain.
<b>Post-translational modifications</b>	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.
<b>Cellular localization</b>	Cytoplasm. Nucleus. Translocated into the nucleus in response to phosphorylation.

## Images



Western blot - Anti-STAT5a (phospho Y694) antibody [6.F1] (ab106095)

**All lanes :** Anti-STAT5a (phospho Y694) antibody [6.F1] (ab106095) at 1/1000 dilution (overnight at 4°C)

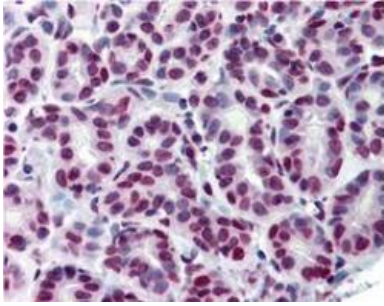
**Lane 1 :** NK92 cell lysate, untreated

**Lane 2 :** NK92 cell lysate, treated with 1Ku of IL2 (30min)

### Secondary

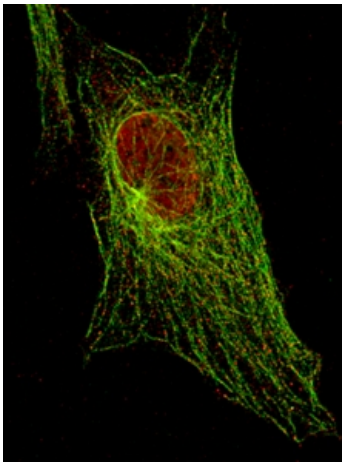
**All lanes :** Gt-a-Mouse IgG DyLight™800 conjugated at 1/20000 dilution

**Predicted band size:** 91 kDa



ab106095 at 20 $\mu$ g/ml staining STAT5a in Formalin-fixed, Paraffin-embedded Human breast tissue by Immunohistochemistry. The image shows the localization of antibody as the precipitated red signal, with a hematoxylin purple nuclear counterstain.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STAT5a (phospho Y694) antibody [6.F1] (ab106095)



ab106095 staining STAT5a in 3T3 cells by Immunofluorescence (red). Green staining represents tubulin.

Immunocytochemistry/ Immunofluorescence - Anti-STAT5a (phospho Y694) antibody [6.F1] (ab106095)

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