


Product datasheet

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

★★★★★ [1 Abreviews](#) [2 References](#) [3 Images](#)

Overview

| | |
|----------------------------|---|
| Product name | Anti-STAT5a (phospho Y694) antibody [6.F1] |
| Description | Mouse monoclonal [6.F1] to STAT5a (phospho Y694) |
| Host species | Mouse |
| Tested applications | Suitable for: WB, IHC-P, ICC/IF |
| Species reactivity | Reacts with: Mouse, Human Predicted to work with: Rat  |
| Immunogen | Synthetic peptide corresponding to Mouse STAT5a (phospho Y694). Database link: P42230 |
| General notes | <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p> |

Properties

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

Applications

The Abpromise guarantee

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. |
| IHC-P | ★★★★★ (1) | Use a concentration of 20 - 40 µg/ml. |
| ICC/IF | | 1/50 - 1/1000. |

Target

Function

Carries out a dual function: signal transduction and activation of transcription. Binds to the GAS element and activates PRL-induced transcription.

Sequence similarities

Belongs to the transcription factor STAT family.
Contains 1 SH2 domain.

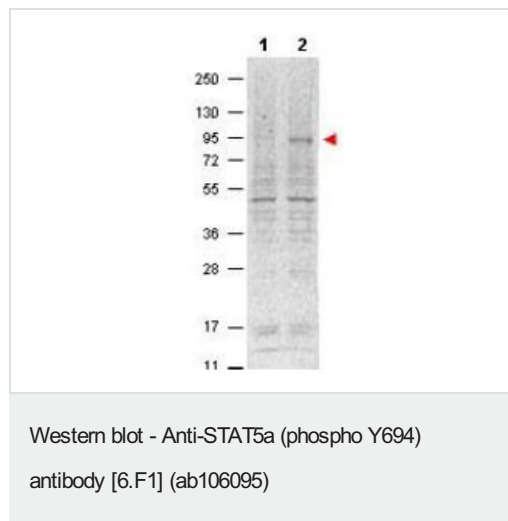
Post-translational modifications

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.

Cellular localization

Cytoplasm. Nucleus. Translocated into the nucleus in response to phosphorylation.

Images



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

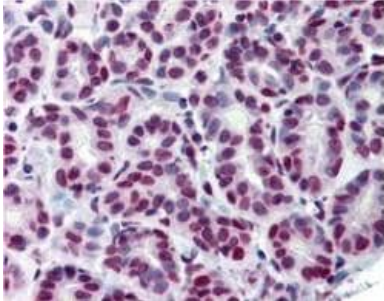
Lane 1 : NK92 cell lysate, untreated

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

Secondary

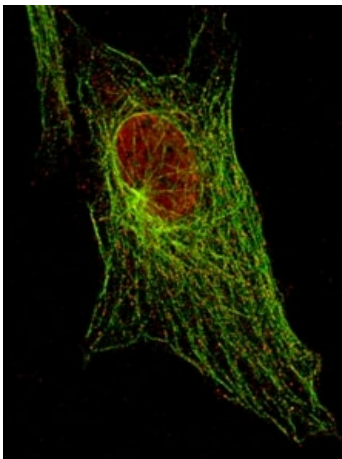
All lanes : Gt-a-Mouse IgG DyLight™800 conjugated at 1/20000 dilution

Predicted band size: 91 kDa



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

ab106095 at 20µg/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.



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

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

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