

Anti-STAT5 (phospho Y694) antibody ab13593

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概述

产品名称	Anti-STAT5 (phospho Y694)抗体
描述	兔多克隆抗体to STAT5 (phospho Y694)
宿主	Rabbit
特异性	ab13593 recognises phosphorylated STAT5.
经测试应用	适用于: WB
种属反应性	与反应: Mouse
免疫原	This antibody was raised against a chemically synthesized phosphopeptide derived from the region of human STAT5a that contains tyrosine 694. The sequence is conserved in mouse and rat.
阳性对照	3T3 L1 adipocytes +/- Leukemia Inhibitory Factor (LIF).

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.05% Sodium Azide Constituents: 50% Glycerol, 1mg/ml BSA, Dulbecco's PBS (Mg ²⁺ and Ca ²⁺ free). pH 7.3
纯度	Immunogen affinity purified
纯化说明	Purified from rabbit serum by sequential epitope-specific chromatography. The antibody has been negatively preadsorbed using a non-phosphopeptide corresponding to the site of phosphorylation to remove antibody that is reactive with non-phosphorylated STAT5. The final product is generated by affinity chromatography using a STAT5-derived peptide that is phosphorylated at tyrosine 694.
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用ab13593于以下的经测试应用

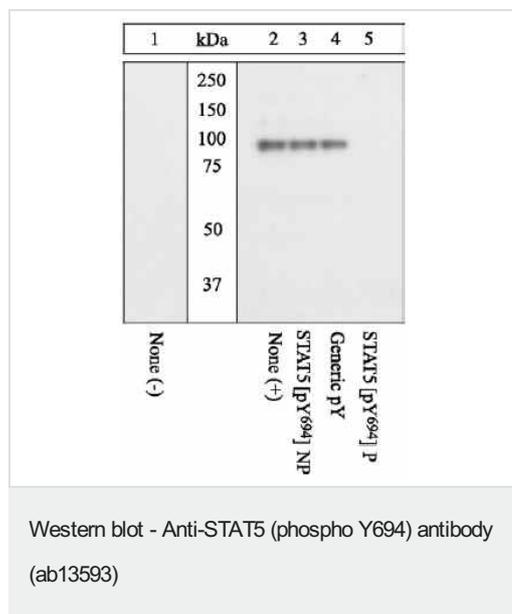
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/1000. Detects a band of approximately 95 kDa (predicted molecular weight: 90.6 kDa).

靶标

功能	Carries out a dual function: signal transduction and activation of transcription. Binds to the GAS element and activates PRL-induced transcription.
序列相似性	Belongs to the transcription factor STAT family. Contains 1 SH2 domain.
翻译后修饰	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.
细胞定位	Cytoplasm. Nucleus. Translocated into the nucleus in response to phosphorylation.

图片



Lysates prepared from 3T3-L1 cells left untreated (1) or treated with LIF (2-5) were resolved by SDS-PAGE on a 10% polyacrylamide gel and transferred to PVDF. Membranes were blocked with a 5% BSA-TBST buffer for one hour at room temperature, and incubated with ab13593 for two hours at room temperature in a 3% BSA-TBST buffer, following prior incubation with: no peptide (1, 2), the non-phosphopeptide corresponding to the immunogen (3), a generic phosphotyrosine-containing peptide (4), or the phosphopeptide immunogen (5). After washing, an appropriate secondary antibody was applied and the membrane was developed.

The data show that only the peptide corresponding to STAT5 [pY694] blocks the signal, verifying the specificity of the antibody.

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Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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