

# Anti-NFAT1 (phospho S54) antibody ab200819

**5 References**   [1 图像](#)

### 概述

产品名称	Anti-NFAT1 (phospho S54)抗体
描述	兔多克隆抗体to NFAT1 (phospho S54)
宿主	Rabbit
经测试应用	适用于: WB
种属反应性	与反应: Mouse
免疫原	Synthetic peptide corresponding to Mouse NFAT1 (phospho S54). Database link: <a href="#">Q60591</a>
阳性对照	Murine T-cells + PMA + Ionomycin.
常规说明	<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&amp;As</p>

### 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 long term. Avoid freeze / thaw cycle.
存储溶液	<p>pH: 7.30</p> <p>Preservative: 0.05% Sodium azide</p> <p>Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine), 0.1% BSA</p>
纯度	PBS without Mg <sup>2+</sup> and Ca <sup>2+</sup>
纯化说明	Immunogen affinity purified
	ab200819 was negatively preadsorbed using a non-phosphopeptide corresponding to the site of phosphorylation to remove antibody that is reactive with non-phosphorylated NFAT1. The final product is generated by affinity chromatography using a NFAT1-derived peptide phosphorylated at serine 54.

克隆

多克隆

同种型

IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab200819于以下的经测试应用

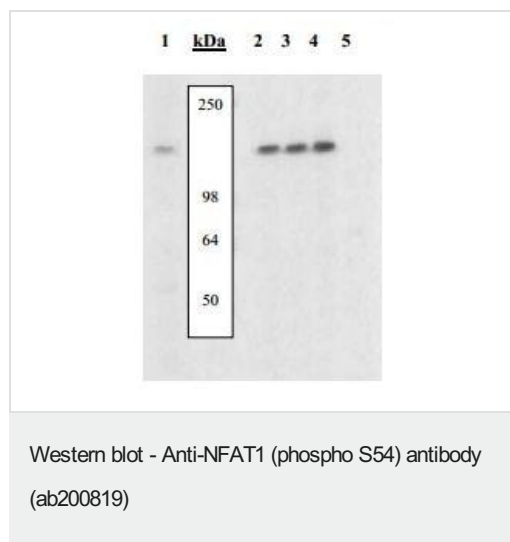
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		Use at an assay dependent concentration. Predicted molecular weight: 100 kDa.

靶标

功能	Plays a role in the inducible expression of cytokine genes in T-cells, especially in the induction of the IL-2, IL-3, IL-4, TNF-alpha or GM-CSF.
组织特异性	Expressed in thymus, spleen, heart, testis, brain, placenta, muscle and pancreas.
序列相似性	Contains 1 RHD (Rel-like) domain.
结构域	Rel Similarity Domain (RSD) allows DNA-binding and cooperative interactions with AP1 factors.
翻译后修饰	In resting cells, phosphorylated by NFATC-kinase on at least 18 sites in the 99-363 region. Upon cell stimulation, all these sites except Ser-243 are dephosphorylated by calcineurin. Dephosphorylation induces a conformational change that simultaneously exposes an NLS and masks an NES, which results in nuclear localization. Simultaneously, Ser-53 or Ser-56 is phosphorylated; which is required for full transcriptional activity.
细胞定位	Cytoplasm. Nucleus. Cytoplasmic for the phosphorylated form and nuclear after activation that is controlled by calcineurin-mediated dephosphorylation. Rapid nuclear exit of NFATC is thought to be one mechanism by which cells distinguish between sustained and transient calcium signals. The subcellular localization of NFATC plays a key role in the regulation of gene transcription.

图片



**All lanes :** Anti-NFAT1 (phospho S54) antibody (ab200819) at 1/1000 dilution

**Lane 1 :** Extracts of Murine T cells were left untreated with no peptide

**Lane 2 :** Extracts of Murine T cells were treated with PMA and Ca<sup>2+</sup> ionophore ionomycin with no peptide

**Lane 3 :** Extracts of Murine T cells were treated with PMA and Ca<sup>2+</sup> ionophore ionomycin with the non-phosphopeptide corresponding to the phosphopeptide immunogen

**Lane 4 :** Extracts of Murine T cells were treated with PMA and Ca<sup>2+</sup> ionophore ionomycin with a generic phosphoserine-containing peptide

**Lane 5 :** Extracts of Murine T cells were treated with PMA and Ca<sup>2+</sup> ionophore ionomycin with the phosphopeptide immunogen

### Secondary

**All lanes :** Goat F(ab')<sub>2</sub> anti-rabbit IgG alkaline phosphatase

**Predicted band size:** 100 kDa

Resolved by SDS-PAGE on a 10% Tris-glycine gel

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

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