

# Anti-NFAT1 (phospho S54) antibody ab200819

**5 References**   [画像数 1](#)

### 製品の概要

製品名	Anti-NFAT1 (phospho S54) antibody
製品の詳細	Rabbit polyclonal to NFAT1 (phospho S54)
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB
種交差性	<b>交差種:</b> Mouse
免疫原	Synthetic peptide corresponding to Mouse NFAT1 (phospho S54). Database link: <a href="#">Q60591</a>
ポジティブ・コントロール	Murine T-cells + PMA + Ionomycin.
特記事項	<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>

### 製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	<p>pH: 7.30</p> <p>Preservative: 0.05% Sodium azide</p> <p>Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine), 0.1% BSA</p> <p>PBS without Mg<sup>2+</sup> and Ca<sup>2+</sup></p>
精製度	Immunogen affinity purified
特記事項 (精製)	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.

ポリ/モノ  
アイソタイプ

ポリクローナル  
IgG

## アプリケーション

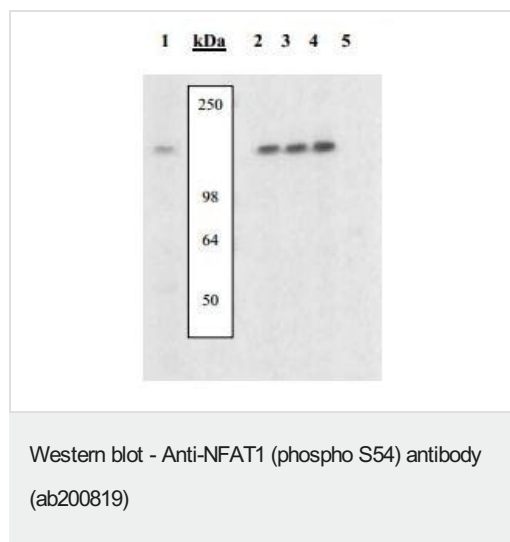
**The Abpromise guarantee** Abpromise保証は、 次のテスト済みアプリケーションにおけるab200819の使用に適用されます  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		Use at an assay dependent concentration. Predicted molecular weight: 100 kDa.

## ターゲット情報

機能	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.
組織特異性	Expressed in thymus, spleen, heart, testis, brain, placenta, muscle and pancreas.
配列類似性	Contains 1 RHD (Rel-like) domain.
ドメイン	Rel Similarity Domain (RSD) allows DNA-binding and cooperative interactions with AP1 factors.
翻訳後修飾	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.
細胞内局在	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.

## 画像



**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

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