

Product datasheet

Anti-NFAT1 antibody [EPR2973] ab92490

重组 RabMAb

1 图像

概述

产品名称	Anti-NFAT1抗体[EPR2973]
描述	兔单克隆抗体[EPR2973] to NFAT1
宿主	Rabbit
经测试应用	适用于: WB 不适用于: ICC,IHC-P or IP
种属反应性	与反应: Human
免疫原	Synthetic peptide corresponding to residues in Human NFAT1 (UniProt Q13469).
阳性对照	Jurkat cell lysate, Ramos cell lysate
常规说明	Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#)

This product is a recombinant rabbit monoclonal antibody.

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol, 9.85% Tris glycine, 50% Tissue culture supernatant
纯度	Tissue culture supernatant
克隆	单克隆
克隆编号	EPR2973
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab92490** in the following tested applications.

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

应用	Ab评论	说明
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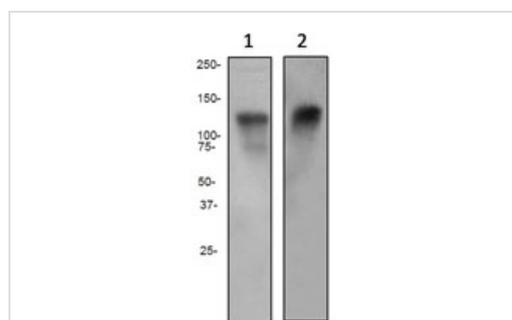
WB

应用说明	WB: 1/1000 - 1/5000. Detects a band of approximately 135 kDa (predicted molecular weight: 100 kDa). Is unsuitable for ICC, IHC-P or IP. Not yet tested in other applications. Optimal dilutions/concentrations should be determined by the end user.
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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



Western blot - Anti-NFAT1 antibody [EPR2973] (ab92490)

All lanes : Anti-NFAT1 antibody [EPR2973] (ab92490) at 1/1000 dilution

Lane 1 : Jurkat cell lysate

Lane 2 : Ramos cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 100 kDa

Observed band size: 135 kDa

[why is the actual band size different from the predicted?](#)

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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- Response to your inquiry within 24 hours

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- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

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