

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	PBS 49%,Sodium azide 0.01%,Glycerol 50%,BSA 0.05%
纯度	Tissue culture supernatant
克隆	单克隆
克隆编号	EPR2973
同种型	IgG

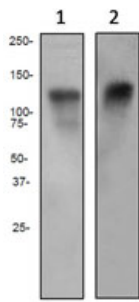
应用

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
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.	
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

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

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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