abcam

Product datasheet

Alexa Fluor® 594 Anti-ERK1 + ERK2 antibody [EPR17526] ab210460



重组 RabMAb

2 图像

概述

产品名称 Alexa Fluor® 594荧光Anti-ERK1 + ERK2抗体[EPR17526]

描述 Alexa Fluor® 594荧光兔单克隆抗体[EPR17526] to ERK1 + ERK2

宿主 Rabbit

偶联物 Alexa Fluor® 594. Ex: 590nm, Em: 617nm

经测试应用 适用干: ICC/IF 种属反应性 与反应: Human

预测可用于: Mouse, Rat 📤

Recombinant fragment within Human ERK1 + ERK2 aa 150 to the C-terminus. The exact 免疫原

> immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please

contact our Scientific Support team to discuss your requirements.

Database link: P28482

Run BLAST with Run BLAST with

阳性对照 ICC/IF: A431 cells

常规说明 This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information see here.

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

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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.

Avoid freeze / thaw cycle. Store In the Dark.

存储溶液 pH: 7.40

Preservative: 0.02% Sodium azide

Constituents: PBS, 1% BSA, 30% Glycerol (glycerin, glycerine)

纯**度** Protein A purified

克隆 单克隆

克隆编号 EPR17526

同种型 IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab210460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
ICC/IF		1/200. This product gave a positive signal in A431 cells fixed with 100% methanol (5 min)

靶标

功能

Involved in both the initiation and regulation of meiosis, mitosis, and postmitotic functions in differentiated cells by phosphorylating a number of transcription factors such as ELK1. Phosphorylates ElF4EBP1; required for initiation of translation. Phosphorylates microtubule-associated protein 2 (MAP2). Phosphorylates SPZ1 (By similarity). Phosphorylates heat shock factor protein 4 (HSF4) and ARHGEF2.

Acts as a transcriptional repressor. Binds to a [GC]AAA[GC] consensus sequence. Repress the expression of interferon gamma-induced genes. Seems to bind to the promoter of CCL5, DMP1, IFIH1, IFITM1, IRF7, IRF9, LAMP3, OAS1, OAS2, OAS3 and STAT1. Transcriptional activity is independent of kinase activity.

independent of kinase activi

序列相似性

Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. MAP kinase

subfamily.

Contains 1 protein kinase domain.

结**构域** The TXY motif contains the threonine and tyrosine residues whose phosphorylation activates the

MAP kinases.

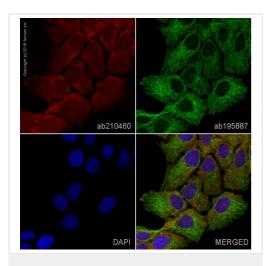
翻译后修饰 Dually phosphorylated on Thr-185 and Tyr-187, which activates the enzyme. Dephosphorylated by

PTPRJ at Tyr-187.

细胞定位 Nucleus.

形式 Mainly expressed in the cytoplasm and only localizes to the nucleus with treatment.

图片



Immunocytochemistry/ Immunofluorescence - Alexa Fluor® 594 Anti-ERK1 + ERK2 antibody [EPR17526] (ab210460) ab210460 staining ERK1 + ERK2 in A431 cells. The cells were fixed with 100% methanol (5min), permeabilized with 0.1% Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated overnight at +4°C with ab210460 at 1/200 dilution (pseudocolored in red) and ab195887, Mouse monoclonal to alpha Tubulin (Alexa Fluor® 488), at 1/250 dilution (shown in green). Nuclear DNA was labelled with DAPI (shown in blue).

Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).



[EPR17526] (ab210460)

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