




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

 **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	适用于: ICC/IF
种属反应性	与反应: Human 预测可用于: Mouse, Rat 
免疫原	Recombinant fragment within Human ERK1 + ERK2 aa 150 to the C-terminus. The exact 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 <u>contact</u> our Scientific Support team to discuss your requirements. Database link: <u>P28482</u> <div>  <u>Run BLAST with</u>  <u>Run BLAST with</u> </div>
阳性对照	ICC/IF: A431 cells
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information <u>see here</u>.</p> <p>Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <u>RabMAb® patents</u>.</p> <p>Alexa Fluor® is a registered trademark of Molecular Probes, Inc, a Thermo Fisher Scientific Company. The Alexa Fluor® dye included in this product is provided under an intellectual property license from Life Technologies Corporation. As this product contains the Alexa Fluor® dye, the purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). As this product contains the Alexa Fluor® dye the sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which</p>

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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 EIF4EBP1; 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.
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

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).

Immunocytochemistry/ Immunofluorescence - Alexa Fluor® 594 Anti-ERK1 + ERK2 antibody [EPR17526] (ab210460)

Why choose a recombinant antibody?

Research with confidence

Consistent and reproducible results

Long-term and scalable supply

Recombinant technology

Success from the first experiment

Confirmed specificity

Ethical standards compliant

Animal-free production

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

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

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