

Product datasheet

Anti-ERK1 antibody [M233] ab88480

★★★★☆ 1 Abreviews 2 图像

概述

产品名称	Anti-ERK1抗体[M233]
描述	小鼠单克隆抗体[M233] to ERK1
宿主	Mouse
特异性	Does not bind to ERK2
经测试应用	适用于: WB, ICC/IF, ELISA, IHC-P
种属反应性	与反应: Rabbit, Human 预测可用于: Mouse, Rat
免疫原	Recombinant fragment corresponding to Human ERK1 (C terminal). Database link: P27361
阳性对照	ICC/IF: Rabbit spleen fibroblasts. WB: lysate from A431 cells.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	Preservative: 0.05% Sodium Azide Constituents: 50% Glycerol, PBS, 1mg/ml BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	M233
同种型	IgG1

应用

Our [Abpromise guarantee](#) covers the use of **ab88480** 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	★★★★☆	1/1000. Detects a band of approximately 43 kDa (predicted molecular weight: 43 kDa).

应用	Ab评论	说明
ICC/IF		1/100.
ELISA		1/2000.
IHC-P		1/100.

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 ELK-1. Phosphorylates EIF4EBP1; required for initiation of translation. Phosphorylates microtubule-associated protein 2 (MAP2). Phosphorylates SPZ1 (By similarity). Phosphorylates heat shock factor protein 4 (HSF4).

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.

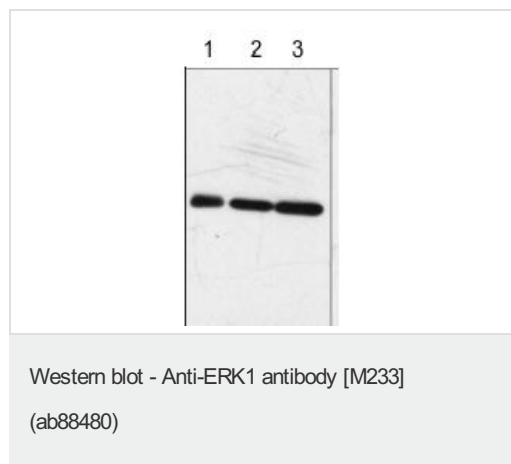
结构域

The TXY motif contains the threonine and tyrosine residues whose phosphorylation activates the MAP kinases.

翻译后修饰

Dually phosphorylated on Thr-202 and Tyr-204, which activates the enzyme. Dephosphorylated by PTPRJ at Tyr-204.

图片



All lanes : Anti-ERK1 antibody [M233] (ab88480) at 1/1000 dilution (in 5% non-fat milk, PBS, 0.04% Tween20 for 1 hour at room temperature)

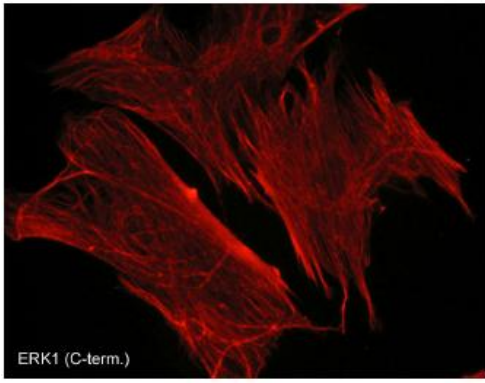
Lane 1 : Human A431 epithelial cells, untreated

Lane 2 : Human A431 epithelial cells treated treated with 100 nM calyculin A for 30 minutes

Lane 3 : Human A431 epithelial cells treated with 100 ng/ml EGF for 60 minutes

Predicted band size: 43 kDa

Observed band size: 43 kDa



ab88480, at a 1/100 dilution, staining ERK1 in paraformaldehyde fixed and NP-40 permeabilized rabbit spleen fibroblasts by Immunocytochemistry/ Immunofluorescence.

Immunocytochemistry/ Immunofluorescence - Anti-ERK1 antibody [M233] (ab88480)

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