abcam

Product datasheet

Recombinant Human ERK1 protein ab126906

1 图像

描述

产品名称 重组人ERK1蛋白

纯**度** > 85 % Densitometry.

The purity was determined to be >85% by densitometry

表达系统 Escherichia coli

Accession P27361

蛋白长度 Full length protein

无动物成分 No

性质 Recombinant

种属 Human

预**测分子量** 70 kDa including tags

氨基酸 1 to 379

技术指标

Our <u>Abpromise guarantee</u> covers the use of ab126906 in the following tested applications.

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

应**用** Western blot

SDS-PAGE

形式 Liquid

补充说明 ab126906 (Human ERK1 full length protein) can be utilized as a substrate for the following active

protein kinases:

ab104027 (Active human MEKK1 protein fragment)

ab55721 (Active Raf1 (mutated F341 Q) protein fragment)

ab63209 (Active human MEK1 full length protein)

制备和贮存

稳**定性和存储** Shipped on dry ice. Upon delivery aliquot and store at -80℃. Avoid freeze / thaw cycles.

pH: 7.50

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Constituents: 0.31% Glutathione, 0.002% PMSF, 0.004% DTT, 0.79% Tris HCl, 0.003% EDTA, 25% Glycerol (glycerin, glycerine), 0.88% Sodium chloride

常规信息

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 ElF4EBP1; 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.

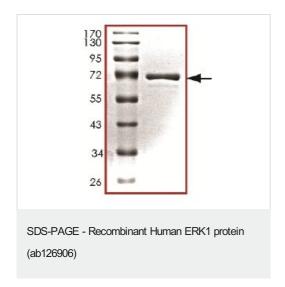
结构域 The TXY motif contains the threonine and tyrosine residues whose phosphorylation activates the

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



SDS-PAGE showing ab126906

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