

Recombinant human ERK2 protein ab155812

1 References 3 图像

描述	
产品名称	重组人ERK2蛋白
纯度	> 95 % SDS-PAGE.
表达系统	Escherichia coli
Accession	<u>NM_002745</u>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
标签	GST tag N-Terminus

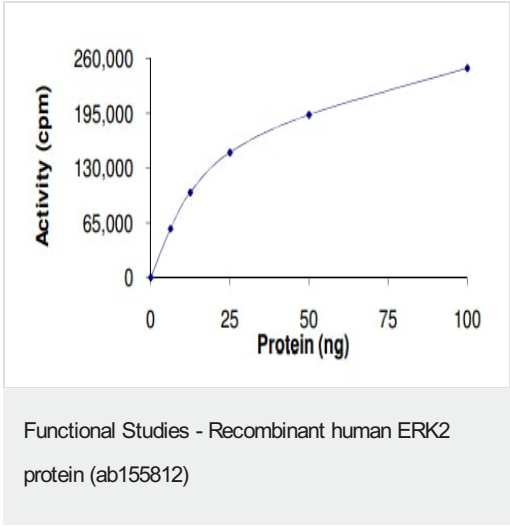
技术指标	
Our Abpromise guarantee covers the use of ab155812 in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
应用	Functional Studies
形式	Liquid
补充说明	ab155812 has been activated by MEK1 in vitro. 630 nmol/min/mg <u>ab64311</u> (Myelin Basic Protein protein) can be utilized as a substrate for assessing kinase activity

制备和贮存	
稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.5 Constituents: 0.30732% Glutathione, 0.004% DTT, 0.788% Tris HCl, 0.003% EDTA, 25% Glycerol (glycerin, glycerine), 0.8766% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.

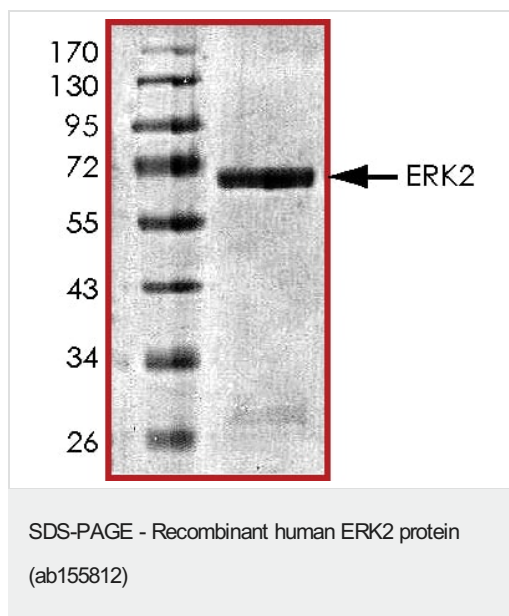
常规信息	
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功能	<p>Involved in both the initiation and regulation of meiosis, mitosis, and postmitotic functions in differentiated cells by phosphorylating a number of transcription factors such as ELK1. Phosphorylates EIF4EBP1; required for initiation of translation. Phosphorylates microtubule-associated protein 2 (MAP2). Phosphorylates SPZ1 (By similarity). Phosphorylates heat shock factor protein 4 (HSF4) and ARHGEF2.</p> <p>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.</p>
序列相似性	<p>Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. MAP kinase subfamily.</p> <p>Contains 1 protein kinase domain.</p>
结构域	<p>The TXY motif contains the threonine and tyrosine residues whose phosphorylation activates the MAP kinases.</p>
翻译后修饰	<p>Dually phosphorylated on Thr-185 and Tyr-187, which activates the enzyme. Dephosphorylated by PTPRJ at Tyr-187.</p>
细胞定位	<p>Nucleus.</p>

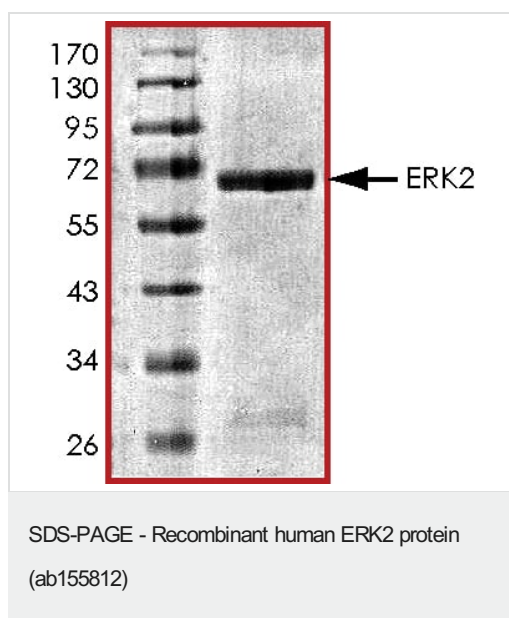
图片



The specific activity of ERK2 (ab155812) was determined to be 630 nmol/min/mg as per activity assay protocol



SDS PAGE analysis of ab155812



SDS PAGE analysis of ab155812

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