

Product datasheet

Recombinant human JNK2 protein ab119726

2 图像

概述

| | |
|------|--------------------------|
| 产品名称 | Recombinant人JNK2 protein |
| 蛋白长度 | Full length protein |

描述

| | |
|-----------|--------------------------------|
| 性质 | Recombinant |
| 来源 | Baculovirus infected Sf9 cells |
| 氨基酸序列 | |
| Accession | P45984 |
| 种属 | Human |
| 分子量 | 70 kDa including tags |
| 氨基酸 | 1 to 424 |

技术指标

Our [Abpromise guarantee](#) covers the use of **ab119726** in the following tested applications.

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

| | |
|------|---|
| 生物活性 | ab119726 specific activity was determined to be 13 nmol/min/mg. |
| 应用 | Western blot Functional Studies SDS-PAGE |
| 纯度 | > 95 % SDS-PAGE. |
| 形式 | Liquid |

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: 7.50 Constituents: 25% Glycerol, 0.88% Sodium chloride, 0.79% Tris HCl, 0.31% Glutathione, |
|--------|--|

0.003% DTT, 0.002% PMSF, 0.003% EDTA

This product is an active protein and may elicit a biological response in vivo, handle with caution.

常规信息

功能

Responds to activation by environmental stress and pro-inflammatory cytokines by phosphorylating a number of transcription factors, primarily components of AP-1 such as c-Jun and ATF2 and thus regulates AP-1 transcriptional activity. In T-cells, JNK1 and JNK2 are required for polarized differentiation of T-helper cells into Th1 cells.

JNK2 isoforms display different binding patterns: alpha-1 and alpha-2 preferentially bind to c-Jun, whereas beta-1 and beta-2 bind to ATF2. However, there is no correlation between binding and phosphorylation, which is achieved at about the same efficiency by all isoforms. JUNB is not a substrate for JNK2 alpha-2, and JUND binds only weakly to it.

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.

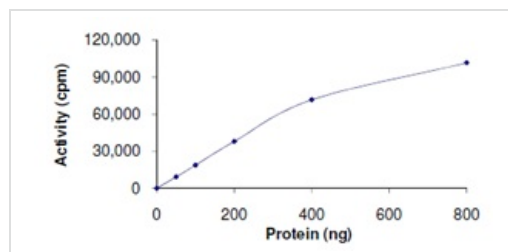
结构域

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

翻译后修饰

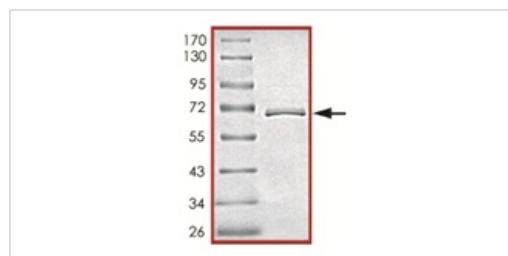
Dually phosphorylated on Thr-183 and Tyr-185, which activates the enzyme. Autophosphorylated in vitro.

图片



Functional Studies - JNK2 protein (ab119726)

ab119726 specific activity was determined to be 13 nmol/min/mg.



SDS-PAGE - JNK2 protein (ab119726)

SDS Page analysis of ab119726

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