

Product datasheet

Recombinant human JNK2 protein ab119726

2 图像

概述

产品名称	重组人JNK2蛋白
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.
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应用	Western blot Functional Studies SDS-PAGE
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纯度	> 95 % SDS-PAGE.
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形式	Liquid
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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,
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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.

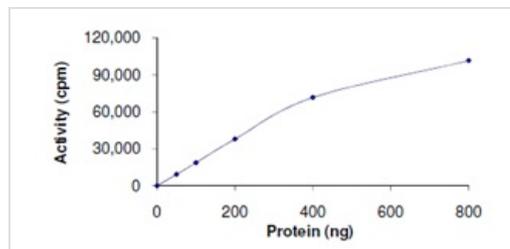
结构域

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

翻译后修饰

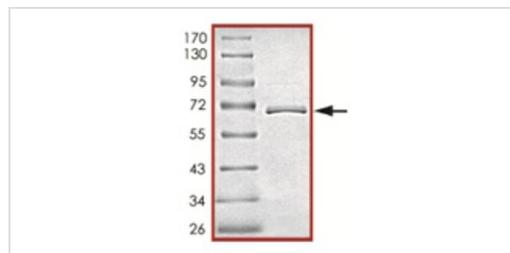
Dually phosphorylated on Thr-183 and Tyr-185, which activates the enzyme. Autophosphorylated in vitro.

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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