

Product datasheet

Anti-JNK1 antibody ab61190

1 图像

概述

产品名称	Anti-JNK1抗体
描述	小鼠单克隆抗体to JNK1
宿主	Mouse
经测试应用	适用于: WB, ELISA
种属反应性	与反应: Recombinant fragment 预测可用于: Human 
免疫原	JNK1 tagged recombinant full length protein (Human).
阳性对照	Recombinant protein.

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: None Constituents: PBS, pH 7.2
纯度	Protein A purified
克隆	单克隆
同种型	IgG2a

应用

Our [Abpromise guarantee](#) covers the use of **ab61190** 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		
ELISA		

应用说明

ELISA: Use at an assay dependent dilution.

WB: Use at a concentration of 1 - 5 µg/ml. Detects a band of approximately 70 kDa (predicted molecular weight: 48 kDa).

This antibody has only been tested in WB against the recombinant fragment used as immunogen. We have no data on the detection of endogenous protein.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

靶标

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 JUN, JDP2 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 (By similarity).

Phosphorylates heat shock factor protein 4 (HSF4).

JNK1 isoforms display different binding patterns: beta-1 preferentially binds to c-Jun, whereas alpha-1, alpha-2, and beta-2 have a similar low level of binding to both c-Jun or ATF2. However, there is no correlation between binding and phosphorylation, which is achieved at about the same efficiency by all isoforms.

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.

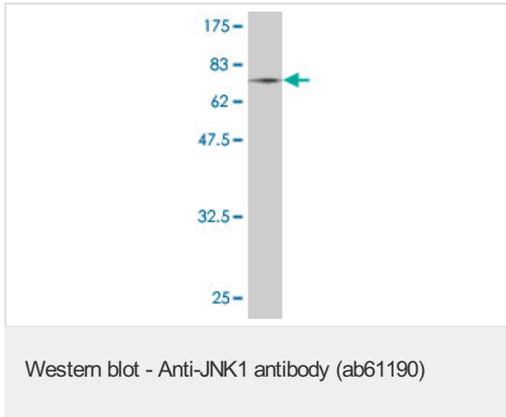
结构域

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.

图片



Anti-JNK1 antibody (ab61190) at 1 µg/ml +
recombinant protein at 0.2 µg

Secondary

Goat Anti-Mouse IgG (H&L)-HRP at 1/5000
dilution

Predicted band size: 48 kDa

Observed band size: 70 kDa

Western blot against tagged recombinant
protein immunogen using ab61190 JNK1
antibody. Predicted band size of immunogen
is 48 kDa.

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