

Product datasheet

Anti-JNK1 antibody ab97521

2 图像

概述

产品名称	Anti-JNK1抗体
描述	兔多克隆抗体to JNK1
宿主	Rabbit
经测试应用	适用于: WB, ICC/IF
种属反应性	与反应: Human 预测可用于: Mouse, Rat, Pig, Zebrafish 
免疫原	Recombinant protein fragment corresponding to a region within amino acids 55 and 270 of Human JNK1 (NP_620637).
阳性对照	WB: 293T, A431 and Raji cell lysates ICC/IF: HeLa cells

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: 0.01% Thimerosal (merthiolate) Constituents: 10% Glycerol, 0.1M Tris, 0.1M Glycine, pH 7.0
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab97521** 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		1/500 - 1/3000. Predicted molecular weight: 48 kDa.
ICC/IF		1/100 - 1/200.

## 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.

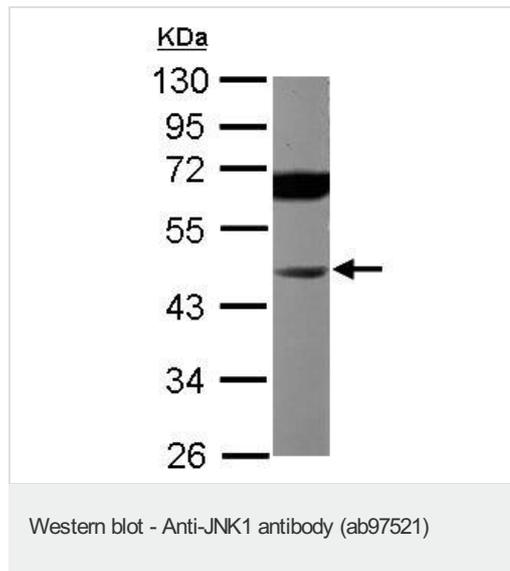
### 结构域

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 (ab97521) at 1/1000 dilution + Raji whole cell lysate at 30 µg

**Predicted band size: 48 kDa**

10% SDS PAGE



ab97521, at a 1/200 dilution, staining JNK1 in paraformaldehyde fixed HeLa cells by Immunofluorescence analysis. Lower image was merged with DNA probe.



Immunocytochemistry/ Immunofluorescence - Anti-JNK1 antibody (ab97521)

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