

Recombinant mouse JNK1 protein ab60304

1 References 画像数 5

製品の詳細

製品名	Recombinant mouse JNK1 protein
生理活性	Specific activity: 124 nmol/min/mg. (lot K110-1) Specific activity: 92 nmol/min/mg. (lot C341-2)
精製度	> 90 % Densitometry. Affinity purified.
発現系	Baculovirus infected Sf9 cells
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Mouse

特性

Our **Abpromise guarantee** covers the use of **ab60304** in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Functional Studies SDS-PAGE Western blot
製品の状態	Liquid
備考	ab43598 (Human ATF2 protein fragment) can be utilized as a substrate for assessing Kinase activity

前処理および保存

保存方法および安定性	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.0038% EGTA, 0.00174% PMSF, 0.00385% DTT, 0.79% Tris HCl, 0.00292% EDTA, 25% Glycerol (glycerin, glycerine), 0.87% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
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関連情報

機能

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.

配列類似性

Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. MAP kinase subfamily.

Contains 1 protein kinase domain.

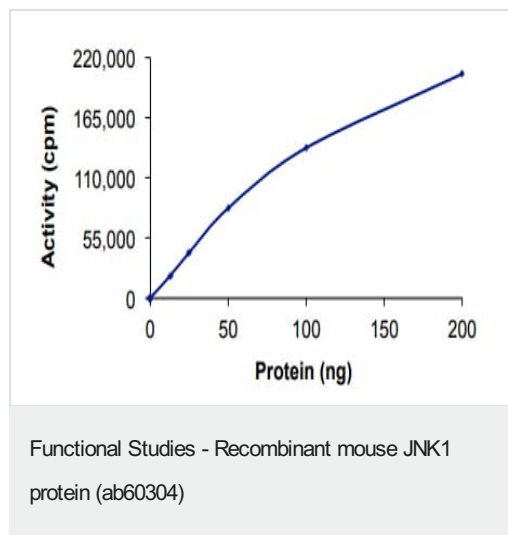
ドメイン

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

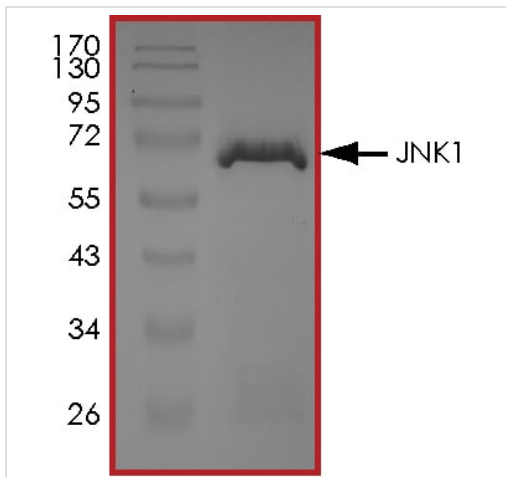
翻訳後修飾

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

画像

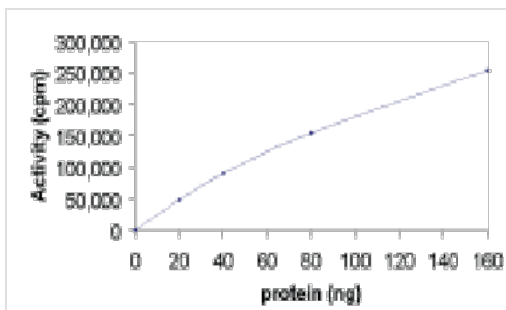


The specific activity of JNK1 (ab60304) was determined to be 94 nmol/min/mg as per activity assay protocol



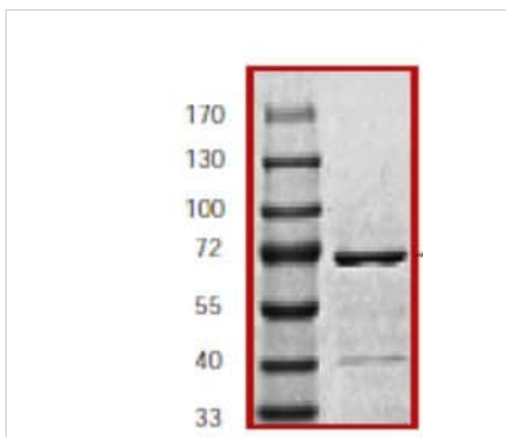
SDS PAGE analysis of ab60304

SDS-PAGE - Recombinant mouse JNK1 protein
(ab60304)



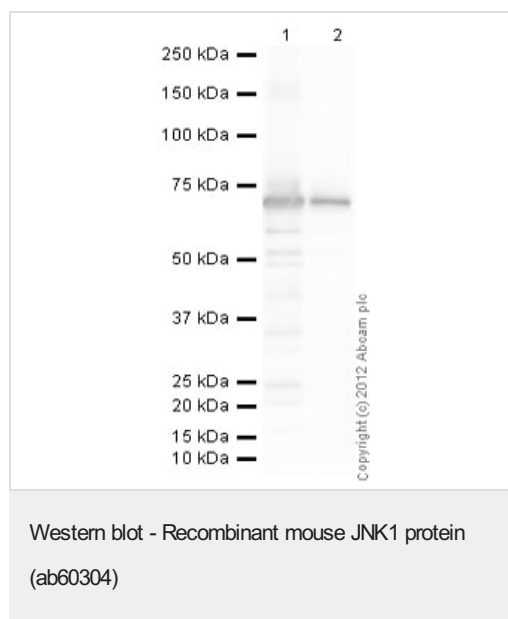
Sample Kinase assay plot.

Functional Studies - Recombinant mouse JNK1
protein (ab60304)



ab60304 on SDS-PAGE.

SDS-PAGE - Recombinant mouse JNK1 protein
(ab60304)



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