

JNK1 (1A4) monoclonal antibody

Catalog: MB0184

Host: Mouse

Reactivity: Human, Mouse, Rat

Background:

c-Jun N-terminal kinases (JNKs) phosphorylate and augment transcriptional activity of c-Jun. JNKs originate from three genes that yield 10 isoforms through alternative mRNA splicing, including JNK1a1, JNK1b1, JNK2a1, JNK2b1, and JNK3a1, which represent the p46 isoforms, and JNK1a2, JNK1b2, JNK2a2, JNK2b2, and JNK3b2, which represent the p54 isoforms. JNKs coordinate cell responses to stress and influence regulation of cell growth and transformation. The human JNK1 (PRKM8, SAPK1, MAPK8) gene maps to chromosome 10q11.22 and shares 83% amino acid identity with JNK2. JNK1 is necessary for normal activation and differentiation of CD4 helper T (TH) cells into TH1 and TH2 effector cells.

Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

Predicted band size: 46KDa
Observed band size: 46KDa

Swiss-Prot:

P45983

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:1000

IF: 1:100

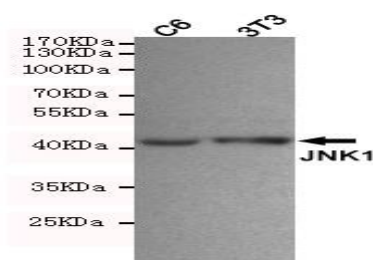
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

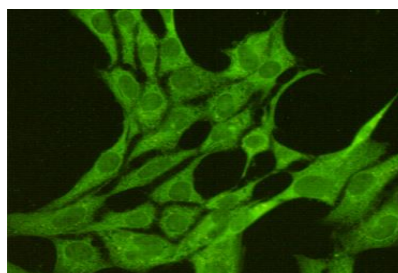
Specificity:

This antibody detects endogenous levels of XRCC5 and does not cross-react with related proteins.

DATA:



Western blot detection of JNK1 in C6 and 3T3 cell lysates using JNK1 mouse mAb (1:1000 diluted).



Immunofluorescent analysis of 3T3 cells fixed by anhydrous methanol for 2 h at -20°C and using anti-JNK1 mouse mAb (dilution 1:100).

Note:

For research use only, not for use in diagnostic procedure.

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