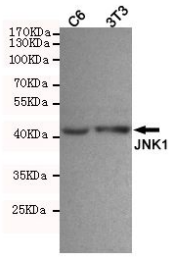
JNK1

Mouse monoclonal Antibody

#53611

Catalog Number: 53611
Amount: 100μg/100μl
Swiss-Prot No. :P45983
Gene name:mapk8
Gene id:5599
Clone Number： 1A4-C5-F11
Form of Antibody: Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50%,glycerol
Storage/Stability: Store at -20℃/1 year
Immunogen: Purified recombinant human JNK1 protein fragments expressed in E.coli
Purification: affinity-chromatography
Specificity/Sensitivity: This antibody detects endogenous levels of JNK1 and does not corss-react with related proteins
Reactivity: Human,Mouse,Rat
Applications: Predicted MW: 46,54kd WB: 1:1000 ICC/IF:1:100



Western blot detection of JNK1 in C6 and 3T3 cell lysates using JNK1 mouse mAb (1:1000 diluted).Predicted band size:46,54KDa.Observed band size:46KDa.

Background:.
The protein encoded by this gene is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation,differentiation, transcription regulation and development. This kinase is activated by various cell stimuli, and targets specific transcription factors, and thus mediates immediate-early gene expression in response to cell stimuli. The activation of this kinase by tumor-necrosis factor alpha (TNF-alpha) is found to be required for TNF-alpha induced apoptosis. This kinase is also involved in UV radiation induced apoptosis, which is thought to be related to cytochrom c-mediated cell death pathway. Studies of the mouse counterpart of this gene suggested that this kinase play a key role in T cell proliferation, apoptosis and differentiation. Five alternatively spliced transcript variants encoding distinct isoforms have been reported.