

**JNK1 (1A4) MOUSE MAB****Cat.#:** N261122**Product Name:** Anti-JNK1 (1A4) Mouse Monoclonal Antibody**Synonyms:** A1849689; c Jun N terminal kinase 1; C-JUN kinase 1; c-Jun N-terminal kinase 1; EC 2.7.11.24; JAK 1A; JAK1A; JNK 1; JNK 46; JNK; JNK-46; JNK1A2; JNK21B1/2; MAP kinase 8; MAPK 8; MAPK8; Mitogen activated protein kinase 8; Mitogen-activated protein kinase 8; MK08\_HUMAN; p54 gamma; PRKM 8; PRKM8; Protein kinase JNK1; Protein kinase; mitogen-activated; 8; SAPK 1; SAPK gamma; SAPK1; Stress activated protein kinase JNK1; Stress-activated protein kinase 1; Stress-activated protein kinase JNK1; Tyrosine protein kinase JAK1 .**UNIPROT ID:** P45983**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. Several alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Apr 2016]**Immunogen:** Purified recombinant human JNK1 protein fragments expressed in E.coli.**Applications:** WB,ICC/IF**Recommended Dilutions:** WB: 1/500-1/1000 IF: 1/50-1/200**Host Species:** Mouse**Clonality:** Mouse Monoclonal**Clone ID:** 1A4-C5-F11**MW:** Calculated MW: 48 kDa; Observed MW: 46,54 kDa**Isotype:** IgG2a**Purification:** Affinity Purified**Species Reactivity:** Human,Mouse,Rat**Conjugation:** Unconjugated

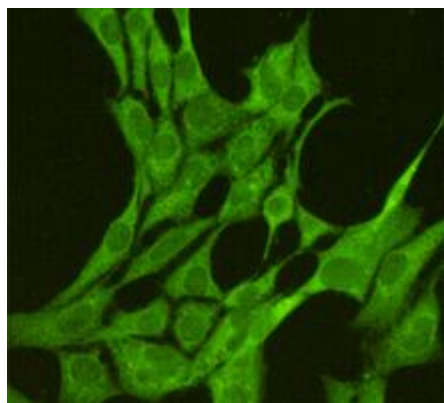
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**Modification:** Unmodified

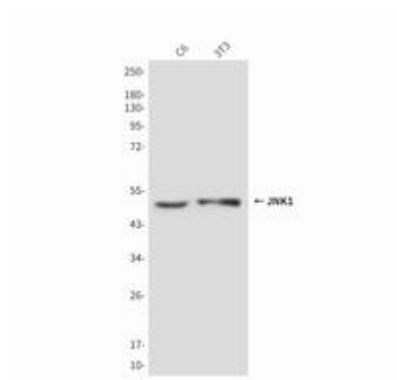
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**Research Areas:** Signal Transduction

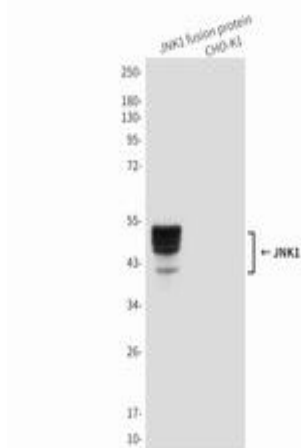
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



Immunofluorescence analysis of JNK1 (1A4) in 3T3 using JNK1 antibody.



Western blot analysis of JNK1 in C6 and 3T3 lysates using JNK1 antibody.



Western blot analysis of JNK1 (1A4) in CHO-K1 cell lysates (B) and CHO-K1 transfected by JNK1 fragment fusion protein (A) cell lysates using JNK1 antibody.