

## Purified anti-JNK1

**Catalog # / Size:** 633101 / 125 µl (5 Western blots)  
633102 / 500 µl (20 Western blots)

**Clone:** Poly6331

**Isotype:** Rabbit Polyclonal

**Immunogen:** Peptide mapping to the carboxy terminus of human JNK1

**Reactivity:** Human, Mouse, Rat

**Preparation:** The antibody was purified by affinity chromatography.

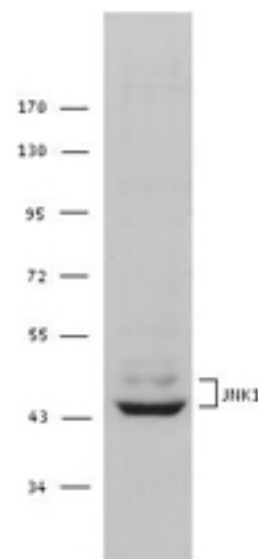
**Formulation:** This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% gelatin.

**Storage:** The antibody solution should be stored undiluted at 4°C. DO NOT FREEZE.

## Applications:

**Applications:** WB-*Quality tested*  
IP, IF - *Reported in the literature*

**Recommended Usage:** Each lot of this antibody is quality control tested by Western blotting. Western blotting suggested working dilution(s): Use 25 µl per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.



*HeLa cell extracts were resolved by electrophoresis, transferred to nitrocellulose, and probed with purified polyclonal anti-JNK1 antibody (clone Poly6331). Two isoforms around 40-45 kD were visualized using a donkey anti-rabbit-IgG secondary conjugated to HRP and chemiluminescence detection.*

**Description:** The MAPK family includes several subgroups encompassing the extracellular signal-regulated kinase (ERK) family, the p38 Map kinase family, and c-Jun NH2-terminal kinase (JNK) family. JNK kinase group includes 3 members, JNK1, JNK2, and JNK3. JNK kinases are phosphorylated in response to various activations by environmental stress and pro-inflammatory cytokines by phosphorylating a number of transcription factors, primarily components of AP-1 such as c-Jun and ATF2 and thus regulate AP-1 transcriptional activity. JNK kinases are characterized by requirement for dual phosphorylation at a T-P-Y motif for enzymatic activation. The Poly6331 antibody has been shown to be useful for western blotting, immunoprecipitation, and immunohistochemistry of human, mouse, and rat JNK1 p46 and JNK1 p54 protein.

**Antigen References:**

1. Derijard B, et al. 1994. *Cell* 76:1025
2. Tournier C, et al. 2000. *Science* 288:870
3. Dong C, et al. 2000. *Nature* 405:91

**Related Products:** **Product**  
HRP Donkey anti-rabbit IgG (minimal x-reactivity)

**Clone**  
Poly4064

**Application**  
ELISA, IHC, WB



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