

**bs-2900R****[ Primary Antibody ]****JNK2/MAPK9 Rabbit pAb****Bioss**  
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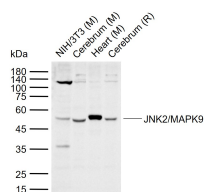
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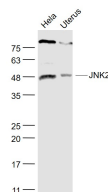
**DATASHEET****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 5601**SWISS:** P45984**Target:** JNK2/MAPK9**Immunogen:** KLH conjugated synthetic peptide derived from human JNK2: 311-424/424.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

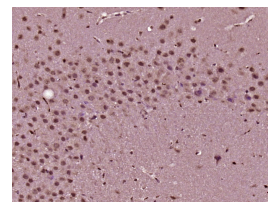
**Background:** The protein encoded by this gene is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This kinase targets specific transcription factors, and thus mediates immediate-early gene expression in response to various cell stimuli. It is most closely related to MAPK8, both of which are involved in UV radiation induced apoptosis, thought to be related to the cytochrome c-mediated cell death pathway. This gene and MAPK8 are also known as c-Jun N-terminal kinases. This kinase blocks the ubiquitination of tumor suppressor p53, and thus it increases the stability of p53 in nonstressed cells. Studies of this gene's mouse counterpart suggest a key role in T-cell differentiation. Several alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Sep 2008].

**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Reactivity:** Human, Mouse, Rat  
(predicted: Rabbit, Pig, Cow, Dog, Horse)**Predicted MW.:** 48 kDa**Subcellular Location:** Cytoplasm ,Nucleus**VALIDATION IMAGES**

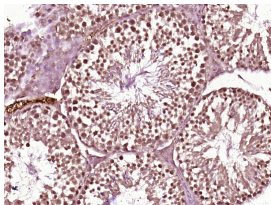
Sample: Lane 1: Mouse NIH/3T3 cell lysates Lane 2: Mouse Cerebrum tissue lysates Lane 3: Mouse Heart tissue lysates Lane 4: Rat Cerebrum tissue lysates Primary: Anti-JNK2/MAPK9 (bs-2900R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 48 kDa Observed band size: 50 kDa



Sample: HeLa(Human) Cell Lysate at 30 ug Uterus (Mouse) Lysate at 40 ug Primary: Anti-JNK2 (bs-2900R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 48 kD Observed band size: 48 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (JNK2) Polyclonal Antibody, Unconjugated (bs-2900R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (JNK2) Polyclonal Antibody, Unconjugated (bs-2900R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

## — SELECTED CITATIONS —

- **[IF=2.448]** Ji X et al. Double-component diazeniumdiolate derivatives as anti-cancer agents. Bioorg Med Chem. 2020 Apr 15;28(8):115405. WB ;human. 32156499