

**bs-17591R****[ Primary Antibody ]****phospho-JNK1 (Thr183) Rabbit pAb****Bioss**  
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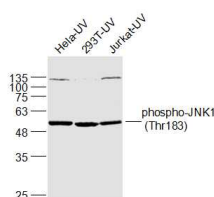
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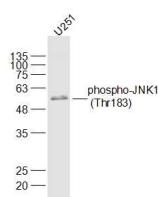
400-901-9800

**— DATASHEET —**

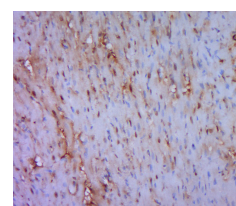
|   |                      |  |
|---|----------------------|--|
| <b>Host:</b> Rabbit   | <b>Isotype:</b> IgG  | <b>Applications:</b> <b>WB</b> (1:500-2000)                        |
| <b>Clonality:</b> Polyclonal  |                      | <b>IHC-P</b> (1:100-500)   |
| <b>GeneID:</b> 5599   | <b>SWISS:</b> P45983 | <b>IHC-F</b> (1:100-500)   |
| <b>Target:</b> JNK1 (Thr183)  |                      | <b>IF</b> (1:100-500)  |
| <b>Immunogen:</b> KLH conjugated synthesised phosphopeptide derived from human JNK1 around the phosphorylation site of Thr183: MM(p-T)PY.   |                      | <b>Reactivity:</b> Human, Rat<br>(predicted: Mouse, Pig, Cow, Dog) |
| <b>Purification:</b> affinity purified by Protein A   |                      |  |
| <b>Concentration:</b> 1mg/ml  |                      | <b>Predicted MW.:</b> 50 kDa                                       |
| <b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.<br>Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.  |                      | <b>Subcellular Location:</b> Nucleus                               |
| <b>Background:</b> phosphorylated at the Thr-Pro-Tyr phosphorylation motif instead of the characteristic MAP kinase Thr-Glu-Tyr motif. JNK2 (p54a, SAPK1a), along with JNK1 and JNK3, is thought to play an important role in nuclear signal transduction through its environmental stress activation and subsequent phosphorylation of the nuclear transcription factor p53. |                      |  |

**— VALIDATION IMAGES —**

Sample: HeLa-UV(Human) Cell Lysate at 30 ug  
293T-UV(Human) Cell Lysate at 30 ug Jurkat-UV(Human) Cell Lysate at 30 ug  
Primary: Anti-phospho-JNK1 (Thr183) (bs-17591R) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 50 kD Observed band size: 50 kD



Sample: U251(Human) Cell Lysate at 30 ug  
Primary: Anti-phospho-JNK1 (Thr183) (bs-17591R) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 50 kD Observed band size: 50 kD



Paraformaldehyde-fixed, paraffin embedded (rat heart tissue); 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 (p-JNK1 (Thr183)) Polyclonal Antibody, Unconjugated (bs-17591R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

**— SELECTED CITATIONS —**

- **[IF=9.473]** Shuting Wei. et al. Particle matters induce airway epithelial barrier dysfunction in vivo and in vitro: from a more realistic inhalation scenario. ENVIRON SCI-NANO. 2022 Jun;; **WB ;Human**. 10.1039/D2EN00390B
- **[IF=7.963]** Meiqiong Wu. et al. Suppression of NADPH oxidase 4 inhibits PM2.5-induced cardiac fibrosis through ROS-P38 MAPK pathway. SCI TOTAL ENVIRON. 2022 Apr;;155558 **WB ;Mouse,Rat**. 35504386
- **[IF=4.996]** Cong Changsheng. et al. Renin-angiotensin system inhibitors mitigate radiation pneumonitis by activating ACE2-angiotensin-(1-7) axis via NF-κB/MAPK pathway. SCI REP-UK. 2023 May;13(1):1-11 **WB ;Mouse**. 37221286
- **[IF=5.293]** Liu Jiawei. et al. Lactobacillus rhamnosus GR-1 Alleviates Escherichia coli-Induced Inflammation via NF-κB and MAPKs Signaling in Bovine Endometrial Epithelial Cells. Front Cell Infect Mi. 2022 Mar;0:199 **WB ;Cattle**. 35310848

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=4.064]** Ming Ni. et al. Sox11 Modified Tendon-Derived Stem Cells Promote the Repair of Osteonecrosis of Femoral Head.. Cell Transplant. 2021;(): WB ;Rabbit. 34699265