bs-1640R **[Primary Antibody]**

phospho-JNK1 + 2 + 3 (Thr183+Tyr185) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 5599 **SWISS:** P45983

Target: JNK1 + 2 + 3 (Thr183+Tyr185)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human JNK1 around the phosphorylation site of Thr183/Tyr185: MM(p-T)P(p-Y)VV.

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: 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.

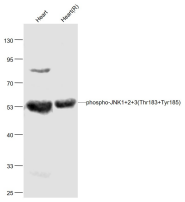
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (1μg /test)

Reactivity: Human, Mouse, Rat (predicted: Pig, Cow, Dog)

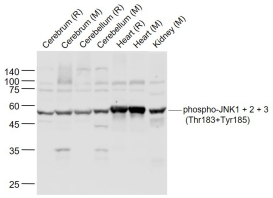
Predicted MW.: 42 kDa

Subcellular Location: Nucleus

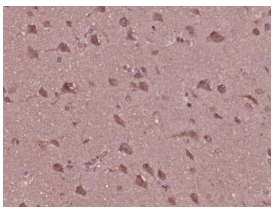
VALIDATION IMAGES



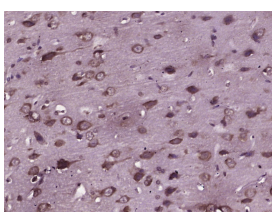
Sample: Heart(Mouse) Lysate at 40 ug Heart(Rat) Lysate at 40 ug Primary: Anti-phospho-JNK1+2+3(Thr183+Tyr185) (bs-1640R) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 46'54 kD Observed band size: 54 kD



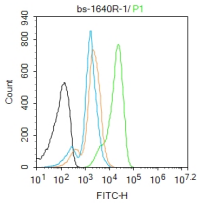
Sample: Lane 1: Cerebrum (Rat) Lysate at 40 ug Lane 2: Cerebrum (Mouse) Lysate at 40 ug Lane 3: Cerebellum (Rat) Lysate at 40 ug Lane 4: Cerebellum (Mouse) Lysate at 40 ug Lane 5: Heart (Rat) Lysate at 40 ug Lane 6: Heart (Mouse) Lysate at 40 ug Lane 7: Kidney (Mouse) Lysate at 40 ug Primary: Anti-phospho-JNK1 + 2 + 3 (Thr183+Tyr185) (bs-1640R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 46/54 kD Observed band size: 52 kD



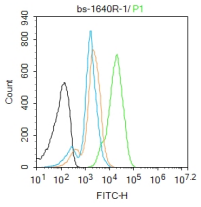
Paraformaldehyde-fixed, paraffin embedded (human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MAPK8) Polyclonal Antibody, Unconjugated (bs-1640R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat brain 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 (MAPK8) Polyclonal Antibody,



Blank control: K562. Primary Antibody (green line): Rabbit Anti-phospho-JNK1 + 2 + 3 (Thr183+Tyr185) antibody (bs-1640R) Dilution: 1μg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-FITC Dilution: 1μg /test. Protocol The cells were fixed with 4% PFA



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Unconjugated (bs-1640R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

(10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at-20°C. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

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SELECTED CITATIONS

- **[IF=14.7]** Li Yin. et al. Macrophage P2Y6R activation aggravates psoriatic inflammation through IL-27-mediated Th1 responses. ACTA PHARM SIN B. 2024 Jun;: WB ;Mouse. 10.1016/j.apsb.2024.06.008
- **[IF=9.381]** Zhaomin Zheng. et al. New insight into the structure-dependent two-way immunomodulatory effects of water-soluble yeast β-glucan in macrophages. CARBOHYD POLYM. 2022 Sep;291:119569 WB ;Mouse. 35698336
- **[IF=7.7]** Pilian Niu. et al. A polysaccharide from Glycyrrhiza uralensis attenuates myocardial fibrosis via modulating the MAPK/PI3K/AKT signaling pathway. INT J BIOL MACROMOL. 2024 Nov;:138207 WB ;Mouse. 39617235
- **[IF=7.59]** Muzhe Li. et al. STS load PCL- MECM based hydrogel hybrid scaffold promote meniscal regeneration via modulating macrophage phenotype polarization. BIOMATER SCI-UK. 2023 Jan;: WB ;Rabbit. 10.1039/D2BM00526C
- **[IF=7.7]** Xianqun Meng. et al.Anti-inflammatory effect of polysaccharides from Sambucus williamsii Hance roots in lipopolysaccharide-stimulated RAW264.7 macrophages and acute lung injury in mice.INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES.2025 Feb 21;306(Pt 1):141368. Western Blot ;Mouse. 10.1016/j.ijbiomac.2025.141368