

JNK Antibody, HRP

Product Description

These antibodies were tested with human and mouse cell lysates and mouse tissue (brain) extracts to detect Jun NH₂-terminal kinases (JNKs). JNK has a molecular weight ranging from 38-56 kDa, which is masked up by the IP IgG bands. Tests using the HRP conjugated anti-JNK do not require secondary Ab, eliminating interference from IgG bands.

Species

Rabbit

Formulation

250 µg/mL in HRP stabilizing buffer with 50% glycerol

Storage & Stability

Product is stable for several weeks at 4°C. For extended storage, store product at -20°C. Expiration date is six months from date of shipping if stored properly.

Immunogen

Human JNK1 (acetylated KLH conjugates)

Purification

The antibody was purified by peptide-affinity chromatography.

Specificity

The recognition sequence in human and mouse is identical to JNK3, JNK2, and JNK1.

Conjugation

Reductive amination; HRP/Ab molar ratio - 10:1

Applications

ELISA (1:1000)

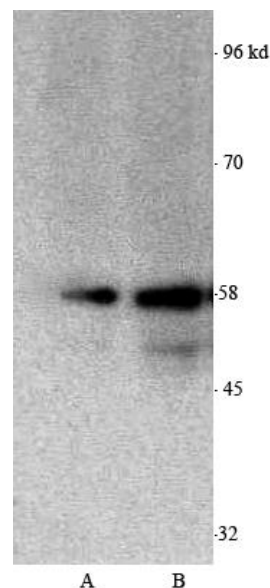
WB (1:1000)

Catalog #: ICP6031

Scientific Description

Jun NH₂-terminal kinase (JNK) is a member of the mitogen-activated protein kinase family, which plays a central role in the regulation of cellular differentiation and proliferation. It also participates in the regulation of IL-2 and IL-2 receptor gene expression. Over-activation of the c-JNK induces cell death.

Sample Data



Western blot analysis of mouse brain extract with ICP6030

A: Extract from control hypoxia mouse brain

B: Extract from control mouse

References

1. Galley, Y. et al. *Cell Biol.* **1997**, *94*, 5119-5124.

MATERIAL SAFETY DATA SHEET

Article 1 - Product Identification and Use

Product Name: JNK Antibody, HRP

Catalog #: ICP6031

This product is sold only for research use by qualified laboratory personnel, and is not to be used as a drug, medical device, food additive, cosmetic, nor household chemical. It is not to be used in diagnostic, therapeutic, consumer, agricultural, nor pesticidal applications.

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Article 2 - Hazardous Ingredients

NOT AVAILABLE. We are not aware of any hazards associated with this product or its ingredients, but the chemical, physical, and toxicological properties of this product have not been investigated thoroughly. Observe normal laboratory precautions.

Article 3 - Physical Data

Transparent liquid.

Article 4 - Fire and Explosion Hazard

NOT APPLICABLE

Article 5 - Reactivity Data

- Chemical Stability: Stable under recommended storage conditions.
 - Conditions to avoid: Light.
 - Materials to Avoid: Strong oxidizing agents.
 - Hazardous Products: Formed under fire conditions – Carbon oxides, Hydrogen bromide gas.
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Article 6 – Toxicologically Data

May be harmful by inhalation, ingestion, or skin absorption. The toxicological properties of this product have not been investigated thoroughly. Exercise due caution.

Article 7 - Preventative Measures

Wear chemical safety goggles and compatible chemical-resistant gloves. Avoid inhalation, contact with eyes, skin or clothing.

*****MULTIPLE COMPONENT SPILL OR LEAK PROCEDURES*****

- Wear protective equipment.
 - Absorb on sand or vermiculite and place in closed containers for disposal.
 - Observe all federal, state and local environmental regulations.
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Article 8 - First Aid Measures

- If swallowed, wash out mouth with water, provided person is conscious. Call a physician.
 - In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. If a rash or other irritation develops, call a physician.
 - If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.
 - In case of eye contact, flush with copious amounts of water for at least 15 minutes while separating the eyelids with fingers. Call a physician.
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Article 9 - Preparation

Prepared By: Hao Xiao

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The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. ImmuneChem shall not be held liable for any damage resulting from handling or from contact with the above product. See the Technical Specification, Packing Slip, Invoice, and Product Catalogue for additional terms and conditions of sale.

For in vitro research use only. Not recommended or intended for diagnosis of diseases in humans or animals. Do not use in humans or in animals.

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