**JNK Polyclonal ANTIBODY**

**Catalog Number:** 51151-1-AP

**Basic Information**

- **Catalog Number:** 51151-1-AP
- **Size:** 150UL, Concentration: 260 μg/ml by Bradford method using BSA as the standard.
- **Source:** Rabbit
- **Isotype:** IgG
- **GenBank Accession Number:** NM_138982
- **GeneID (NCBI):** 5599
- **Full Name:** mitogen-activated protein kinase 8
- **Calculated MW:** 48 kDa
- **Observed MW:** 44-48 kDa, 50-55 kDa

**Purification Method:** Antigen affinity purification

**Recommended Dilutions:**
- **WB** 1:300-1:1000
- **IP** 0.5-4.0 μg for IP and 1:500-1:1000 for WB
- **IF** 1:50-1:500

**Applications**

- **Tested Applications:** IF, IP, WB, ELISA
- **Cited Applications:** IHC, WB
- **Species Specificity:** human, mouse
- **Cited Species:** A. sphaerocephala Krasch, human, mouse, rat

**Background Information**

MAPK8 (mitogen-activated protein kinase 8) is also named as JNK1, PRKMB, SAK1, SAPK1C and belongs to the MAP kinase subfamily. MAPK8 is activated by dual phosphorylation at a Thr-Pro-Tyr motif during response to UV light. MAPK8 functions to phosphorylate c-Jun at N-terminal serine regulatory sites of Ser-63 and Ser-73, mapping within the transactivation domain. Phosphorylation of these sites in response to UV results in transcriptional activation of c-Jun. It has some isoforms produced by alternative splicing with the molecular weight of 46 kDa and 48 kDa. This protein can be phosphorylated and this antibody recognizes the 46 kDa and 55 kDa bands in western blot (PMID:11062067).

**Notable Publications**

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<th>Author</th>
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<tbody>
<tr>
<td>Jie Ren</td>
<td>30251384</td>
<td>J Pharm Pharmacol</td>
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<tr>
<td>Yuqing Mao</td>
<td>27665476</td>
<td>Biomed Pharmacother</td>
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<td>Kelan Yuan</td>
<td>28926773</td>
<td>Int Immunopharmacol</td>
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**Storage**

- **Storage:** Store at -20°C.
- **Storage Buffer:** PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
- **Aliquoting is unnecessary for -20°C storage**

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For technical support and original validation data for this product please contact:
- **T:** 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
- **E:** proteintech@ptglab.com
- **W:** ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
Selected Validation Data

Mouse brain tissue were subjected to SDS PAGE followed by western blot with 51151-1-AP (JNK antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.


Immunofluorescent analysis of (-20°C Acetone) fixed SH-SY5Y cells using 51151-1-AP (JNK antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).