

## DESCRIPTION

<b>Species Reactivity</b>	Human/Mouse/Rat
<b>Specificity</b>	Detects human, mouse, and rat p46 and p54 JNK in Western blots. Detects recombinant human (rh) JNK1, rhJNK2, and rhJNK3.
<b>Source</b>	Polyclonal Rabbit IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human JNK1 Met1-Gln384 Accession # P45983
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.

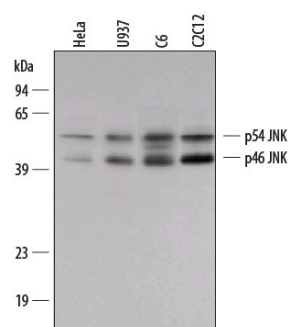
## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	0.2 µg/mL	See Below
<b>Immunohistochemistry</b>	5-15 µg/mL	See Below

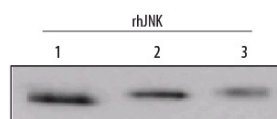
## DATA

### Western Blot



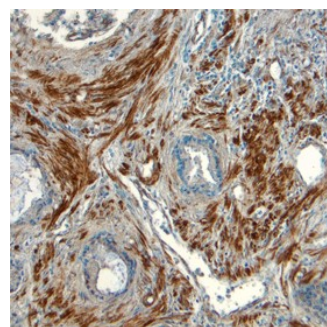
**Detection of Human/Mouse/Rat JNK by Western Blot.** Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line, U937 human histiocytic lymphoma cell line, C6 rat glioma cell line, and C2C12 mouse myoblast cell line. PVDF membrane was probed with 0.2 µg/mL Rabbit Anti-Human/Mouse/Rat JNK Pan Specific Antigen Affinity-purified Polyclonal Antibody (Catalog # AF1387) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # HAF008). Specific bands for JNK were detected at approximately 46 and 54 kDa (as indicated). This experiment was conducted under reducing conditions and using [Immunoblot Buffer Group 1](#).

### Western Blot



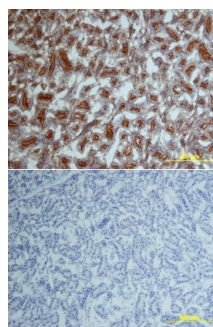
**Detection of recombinant JNK family members by Western Blot.** Western blot shows recombinant human JNK1, JNK2, and JNK3 (1 ng/lane). PVDF membrane was probed with 0.2 µg/mL Rabbit Anti-Human/Mouse/Rat JNK Pan Specific Antigen Affinity-purified Polyclonal Antibody (Catalog # AF1387) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # HAF008). This experiment was conducted under reducing conditions and using [Immunoblot Buffer Group 1](#).

### Immunohistochemistry



**JNK in Human Prostate Cancer Tissue.** JNK was detected in immersion fixed paraffin-embedded sections of human prostate cancer tissue using Rabbit Anti-Human/Mouse/Rat JNK Antigen Affinity-purified Polyclonal Antibody (Catalog # AF1387) at 15 µg/mL overnight at 4 °C. Tissue was stained using the Anti-Rabbit HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS005) and counterstained with hematoxylin (blue). View our protocol for [Chromogenic IHC Staining of immersion fixed paraffin-embedded Tissue Sections](#).

### Immunohistochemistry



**JNK in Rat Kidney.** JNK was detected in perfusion fixed frozen sections of rat kidney using Rabbit Anti-Human/Mouse/Rat JNK Antigen Affinity-purified Polyclonal Antibody (Catalog # AF1387) at 15 µg/mL overnight at 4 °C. Tissue was stained using the Anti-Rabbit HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS005) and counterstained with hematoxylin (blue). Lower panel shows a lack of labeling if primary antibodies are omitted and tissue is stained only with secondary antibody followed by incubation with detection reagents. View our protocol for [Chromogenic IHC Staining of Frozen Tissue Sections](#).

## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<p><b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b></p> <ul style="list-style-type: none"> <li>12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>