Human/Mouse/Rat JNK2 Antibody

Antigen Affinity-purified Polyclonal Rabbit IgG
Catalog Number: AF1846

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse, and rat JNK2 in Western blots. Recognizes p54 JNK (isoforms 1 and/or 4, both 424 aa) and p46 JNK (isoforms 2 and/or 3, both 382 aa) in Western blots. Because the peptide immunogen corresponds to a region of JNK2 with low homology to other JNKs, the antibody does not detect recombinant JNK1 or JNK3.
Source	Polyclonal Rabbit IgG
Purification	Antigen Affinity-purified
Immunogen	Human, Mouse, and Rat JNK2 synthetic peptide PGIKFEELFPDWIFPSESERD
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

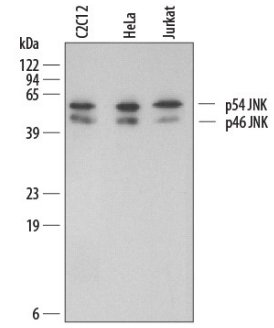
APPLICATIONS

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.*

	Recommended Concentration	Sample
Western Blot	0.2 µg/mL	See Below

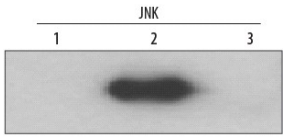
DATA

Western Blot



Detection of Human and Mouse JNK2 by Western Blot. Western blot shows lysates of C2C12 mouse myoblast cell line, HeLa human cervical epithelial carcinoma cell line, and Jurkat human acute T cell leukemia cell line. PVDF membrane was probed with 0.2 µg/mL Rabbit Anti-Human/Mouse/Rat JNK2 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF1846) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # HAF008). specific bands for JNK2 was 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 JNK2 by Western Blot. Western blot shows recombinant JNK1, JNK2, and JNK3 (2 ng/lane). PVDF membrane was probed with 0.2 µg/mL Rabbit Anti-Human/Mouse/Rat JNK2 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF1846) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # HAF008). A specific band for JNK2 was detected at approximately 54 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

The c-Jun N-terminal kinases (JNKs) are encoded by three genes: JNK1, JNK2, and JNK3. Members of the MAPK superfamily, JNKs are activated by environmental stresses and inflammatory cytokines. JNK1, also known as SAPK1γ and MAPK8, is expressed as four isoforms generated by alternative splicing. JNK1 is activated by dual phosphorylation at T183 and Y185 by the MAPK kinases MKK4 and/or MKK7.

bio-techne®
Global bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL +1 612 379 2956
USA TEL 800 343 7475 Canada TEL 855 668 8722 China TEL +86 (21) 52380373
Europe | Middle East | Africa TEL +44 (0)1235 529449