

JNK1 Polyclonal Antibody

Product Details	
Size	200 µL
Species Reactivity	Bovine, Hamster, Human, Mouse, Non-human primate, Rat, Yeast, Zebrafish
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant human JNK2 fusion protein
Form	Liquid
Purification	Antigen affinity chromatography
Storage buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/mL BSA, 50% glycerol
Contains	no preservative
Storage conditions	-20°C
RRID	AB_10982589

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	1 Publication
ChIP assay (ChIP)	1-3 µL	-

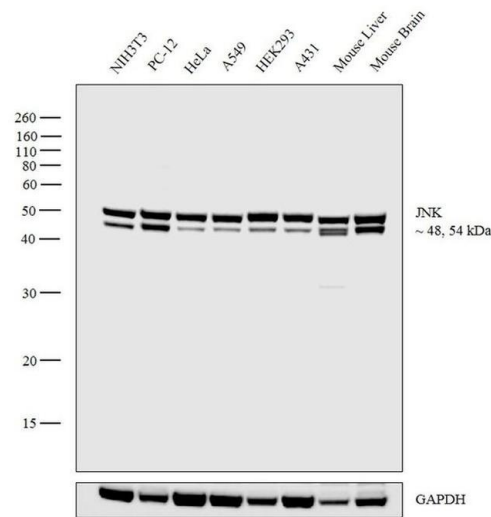
Product Specific Information

It is not recommended to aliquot this antibody.

Product Images For JNK1 Polyclonal Antibody

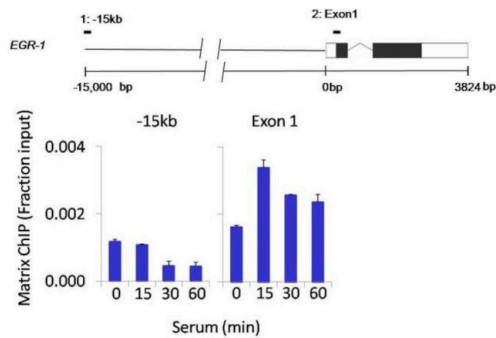
JNK1 Antibody (PA5-17889) in WB

Western blot analysis was performed on modified whole cell extracts (1%SDS) (30 µg lysate) of NIH3T3 (Lane 1), PC-12 (Lane 2), HeLa (Lane 3), A549 (Lane 4), HEK293 (Lane 5), A431 (Lane 6), tissue extracts of Mouse Liver (Lane 7) and Mouse Brain (Lane 8). The blot was probed with Anti-JNK Polyclonal Antibody (Product # PA5-17889, 1 µg/mL) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.25 µg/mL, 1:4,000 dilution). 48 and 54 kDa bands corresponding to JNK 1, 2 and 3 were observed across all the cell lines and tissues tested.



JNK1 Antibody (PA5-17889) in ChIP

Chromatin immunoprecipitation analysis of SAPK/JNK was performed using cross-linked chromatin from 1 x 10⁶ HCT116 colon carcinoma cells treated with serum for 0, 15, 30, and 60 minutes. Immunoprecipitation was performed using a multiplex microplate Matrix ChIP assay (see reference for Matrix ChIP protocol: <http://www.ncbi.nlm.nih.gov/pubmed/22098709>) with 1.0 µL/100 µL well volume of a SAPK/JNK polyclonal antibody (Product # PA5-17889). Chromatin aliquots from ~1 x 10⁵ cells were used per ChIP pull-down. Quantitative PCR data were done in quadruplicate using 1 µL of eluted DNA in 2 µL SYBR real-time PCR reactions containing primers to amplify -15kb upstream of the Egr1 gene or exon-1 of Egr1. PCR calibration curves were generated for each primer pair from a dilution series of sheared total genomic DNA. Quantitation of immunoprecipitated chromatin is presented as signal relative to the total amount of input chromatin. Results represent the mean +/- SEM for three experiments. A schematic representation of the Egr-1 locus is shown above the data where boxes represent exons (black boxes = translated regions, white boxes = untranslated regions); the zigzag line represents an intron; and the straight line represents upstream sequence. Regions amplified by Egr-1 primers are represented by black bars. Data courtesy of the Innovators Program.



Western Blot (1)

<p>Tumour biology : the journal of the International Society for Oncodevelopmental Biology and Medicine</p> <p>ROS-mediated activation of JNK/p38 contributes partially to the pro-apoptotic effect of ajoene on cells of lung adenocarcinoma.</p> <p>"PA5-17889 was used in western blot to study the pro-apoptotic effect of ajoene on lung adenocarcinoma cells by contribution of ROS-mediated activation of JNK/p38"</p> <p>Authors: Wang Y,Sun Z,Chen S,Jiao Y,Bai C</p>	<p>Year 2016</p>
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