



Catalog: OM169180

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# JNK1/3 Antibody (C-17)

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☐ 100ul

## Product profile

Product name	JNK1/3 Antibody (C-17)
Antibody Type	Primary Antibodies
Modification Notes	c-Jun N-terminal kinases (JNKs) phosphorylate and augment transcriptional activity of c-Jun. JNKs originate from three genes that yield 10 isoforms through alternative mRNA splicing, including JNK1a1, JNK1b1, JNK2a1, JNK2b1, and JNK3a1, which represent the p46 isoforms, and JNK1a2, JNK1b2, JNK2a2, JNK2b2, and JNK3b2, which represent the p54 isoforms. JNKs coordinate cell responses to stress and influence regulation of cell growth and transformation. The human JNK1 (PRKM8, SAPK1, MAPK8) gene maps to chromosome 10q11.22 and shares 83% amino acid identity with JNK2. JNK1 is necessary for normal activation and differentiation of CD4 helper T (TH) cells into TH1 and TH2 effector cells. Capsaicin activates JNK1 and p38 in ras-transformed human breast epithelial cells. Nitrogen oxides (NOx) upregulate JNK1 in addition to c-Fos, c-Jun, and other signaling kinases, including MEKK1 and p38.

## Key Feature

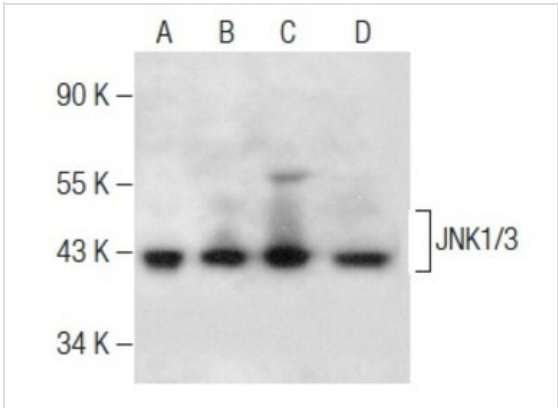
Clonality	Polyclonal
Isotype	IgG
Host Species	Rabbit
Tested Applications	WB ,IP ,IF ,FC ,ELISA
Species Reactivity	Human Mouse Rat
Concentration	1mg/ml
Purification	Affinity purified

## Target Information

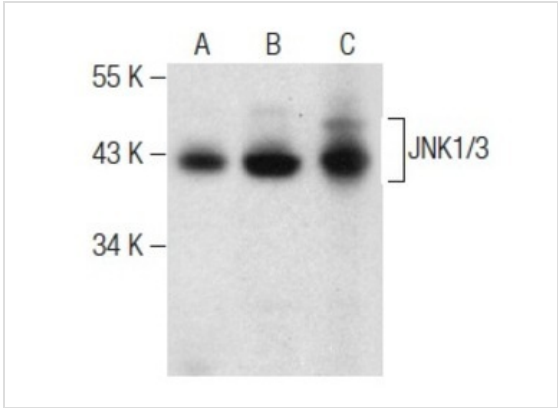
Alternative Names	epitope mapping near the C-terminus of JNK1/3 of human origin
Tissue Specificity	epitope mapping near the C-terminus of JNK1/3 of human origin

## Database Links

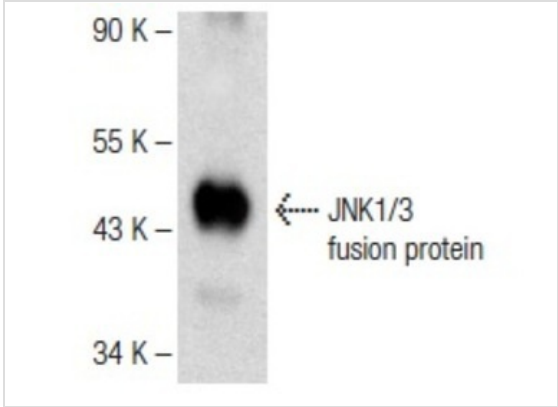
Application



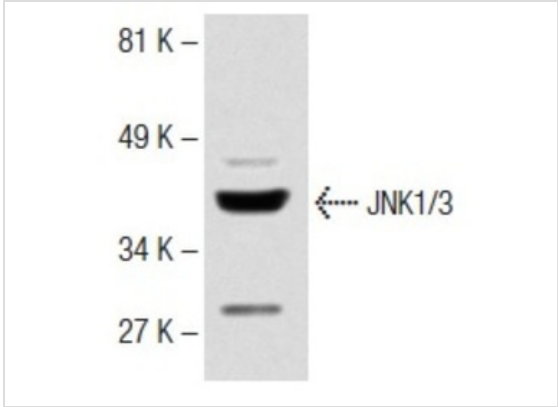
**Application**  
Western blot analysis of JNK1/3 expression in RAW 264.7 (A), Jurkat (B), PC-12 (C) and NIH/3T3 (D) whole cell lysates.



**Application**  
Western blot analysis of JNK1/3 expression in SK-N-SH (A) and SH-SY5Y (B) whole cell lysates and rat brain tissue extract (C).

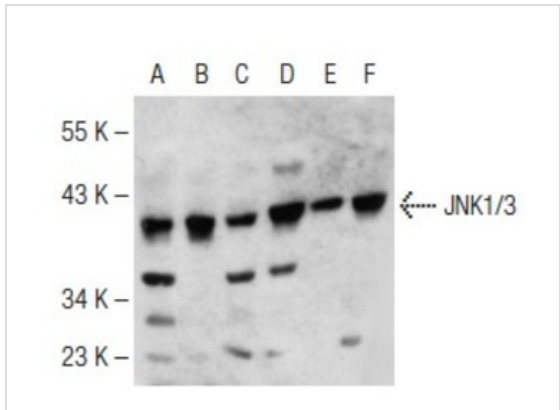
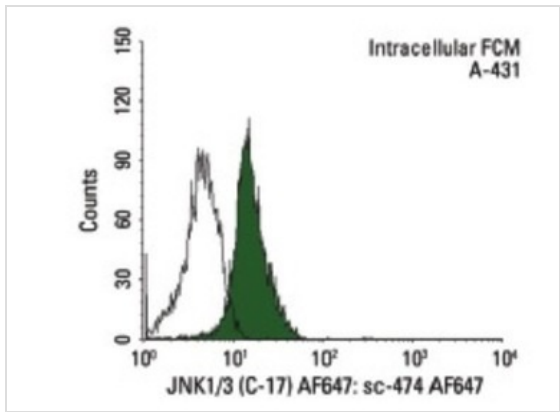


**Application**  
Western blot analysis of human recombinant JNK1/3 fusion protein.

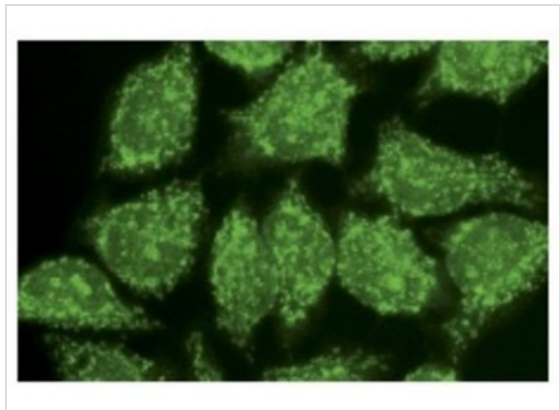


**Application**  
Western blot analysis of JNK1/3 expression in Jurkat whole cell lysate. Antibody tested: JNK1/3 (C-17)-G: .

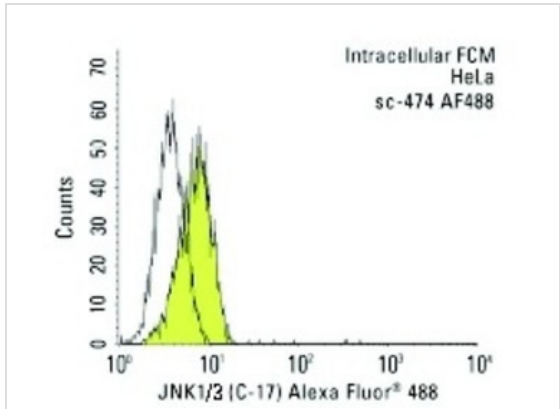
**Application**  
Intracellular FCM analysis of fixed and permeabilized A-431 cells. Black line histogram represents the isotype control, normal rabbit IgG: .



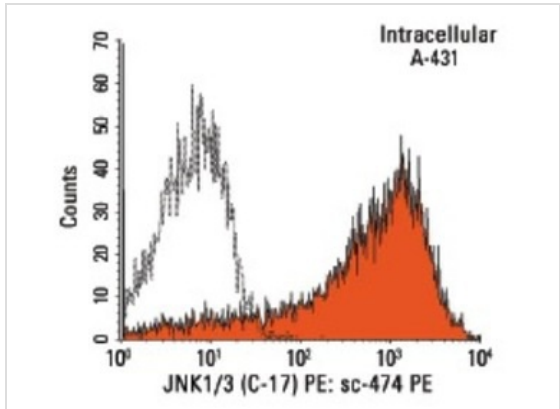
**Application**  
Western blot analysis of JNK1/3 expression in A-431 (A), NIH/3T3 (B), HeLa (C), K-562 (D), 293T (E) and RAW 264.7 (F) whole cell lysates.



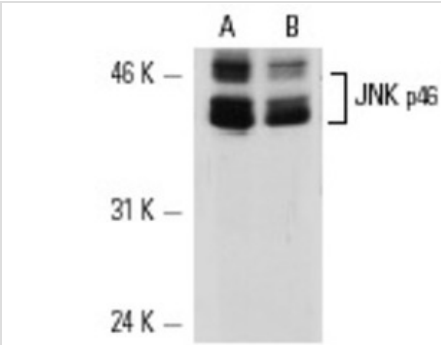
**Application**  
Immunofluorescence staining of methanol-fixed HeLa cells showing cytoplasmic and nuclear localization.



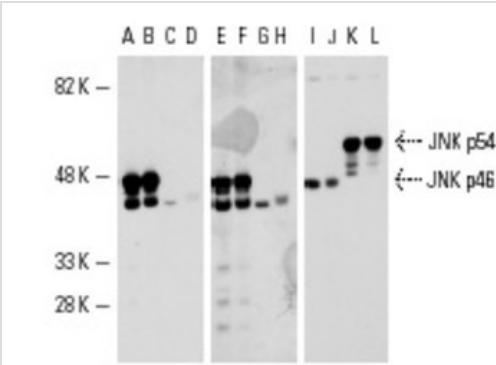
**Application**  
Intracellular FCM analysis of fixed and permeabilized HeLa cells. Black line histogram represents the isotype control, normal rabbit IgG: .



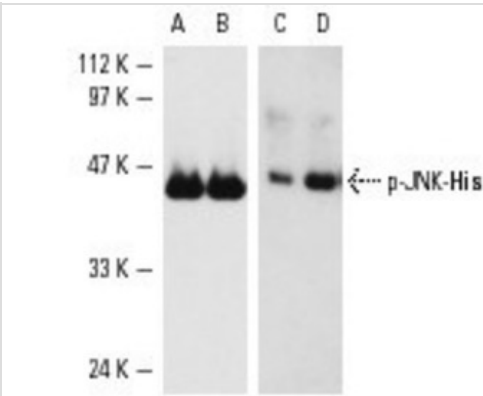
**Application**  
Intracellular FCM analysis of fixed and permeabilized A-431 cells. Black line histogram represents the isotype control, normal rabbit IgG: .



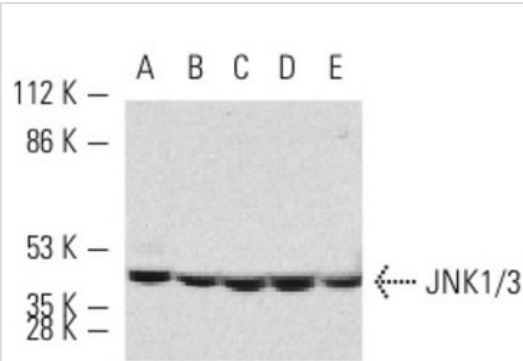
**Application**  
 Western blot analysis of JNK expression in non-transfected control (A) and JNK1 siRNA transfected (B) HeLa cells. Blot probed with JNK (C-17): .



**Application**  
 Antibodies tested include JNK1 (F-3): (A-D), JNK1/3 (C-17)-G: (E-H) and JNK2 (FL): (I-L).



**Application**  
 Antibodies tested include JNK1/3 (C-17): (A,B) and p-JNK (G-7): (C,D).



**Application**  
 Western blot analysis of JNK p46 expression in K-562 (A), A-431 (B), NIH/3T3 (C), KNRK (D) and HeLa (E) whole cell lysates.

**Application Notes** recommended for detection of JNK1 and JNK3 p46 of mouse, rat, human, zebrafish and Xenopus origin by WB, IP, IF, FCM and ELISA; also reactive with additional species, including canine and bovine:

### Additional Information

<b>Storage Instructions</b>	For short-term storage, store at 4° C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Storage Buffer</b>	phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Note</b>	The product is for research use only,not for use in diagnostic or therapeutic procedures.

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