



Catalog: OM170822

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# JNK Antibody (FL)

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☐ 100ul

## Product profile

Product name	JNK Antibody (FL)
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

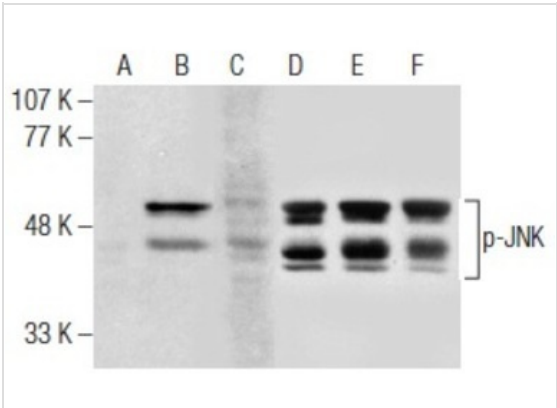
Clonality	Polyclonal
Isotype	IgG
Host Species	Rabbit
Tested Applications	WB ,IP ,IF ,FC ,ELISA
Species Reactivity	Human Mouse Rat
Concentration	1mg/ml
Purification	Affinity purified

## Target Information

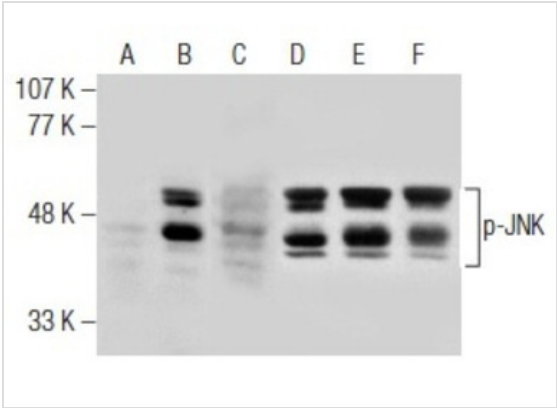
Alternative Names	epitope corresponding to amino acids 1-384 representing full length JNK1p46 of human origin
Tissue Specificity	epitope corresponding to amino acids 1-384 representing full length JNK1p46 of human origin

## Database Links

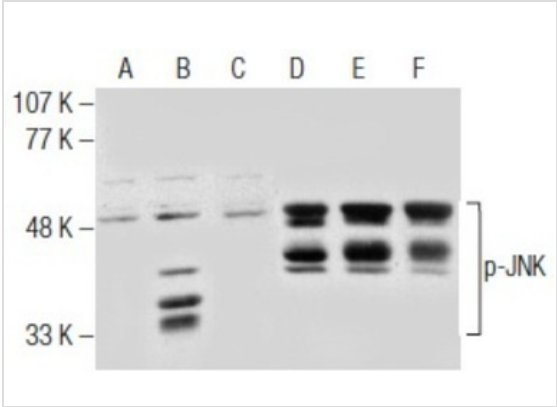
Application



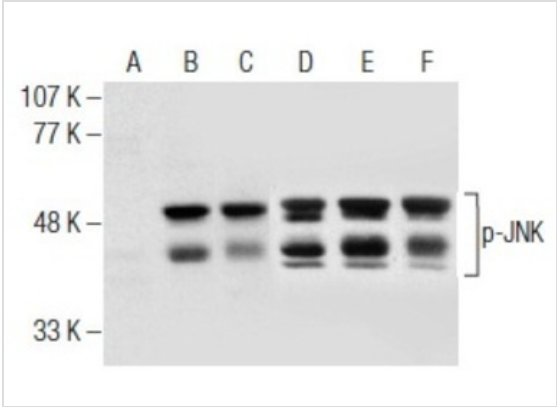
**Application**  
Antibodies tested include p-JNK (89.Thr 183/Tyr 185): (A,B,C) and JNK (FL): (D,E,F).



**Application**  
Antibodies tested include p-JNK (29.Thr 183/Tyr 185): (A,B,C) and JNK (FL): (D,E,F).

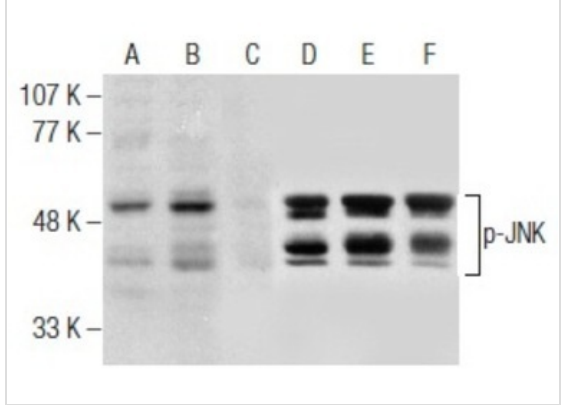


**Application**  
Antibodies tested include p-JNK (14.Thr 183/Tyr 185): (A,B,C) and JNK (FL): (D,E,F).



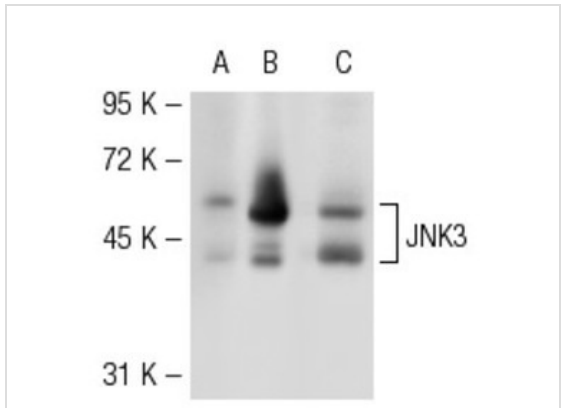
**Application**  
Antibodies tested include p-JNK (G-7): (A,B,C) and JNK (FL): (D,E,F).

**Application**  
Antibodies tested include p-JNK (Thr 183/Tyr 185)-R: (A,B,C) and JNK (FL): (D,E,F).



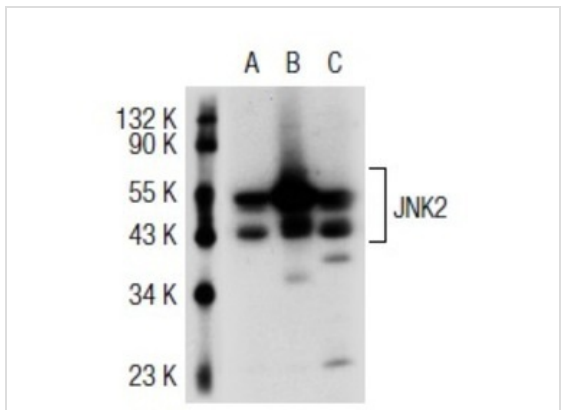
**Application**

Western blot analysis of JNK3 expression in non-transfected: (A) and mouse JNK3 transfected: (B) 293T whole cell lysates and mouse brain tissue extract (C).



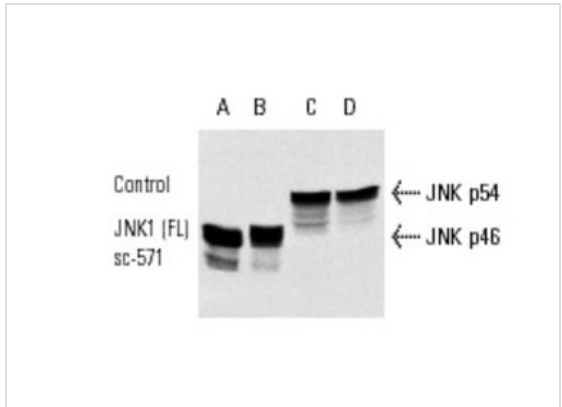
**Application**

Western blot analysis of JNK2 expression in non-transfected 293T: (A), human JNK2 transfected 293T: (B) and HeLa (C) whole cell lysates.



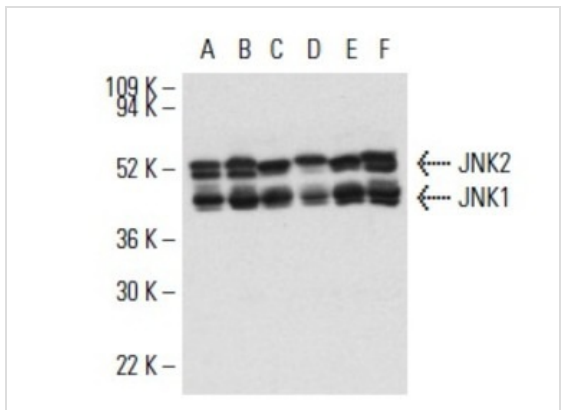
**Application**

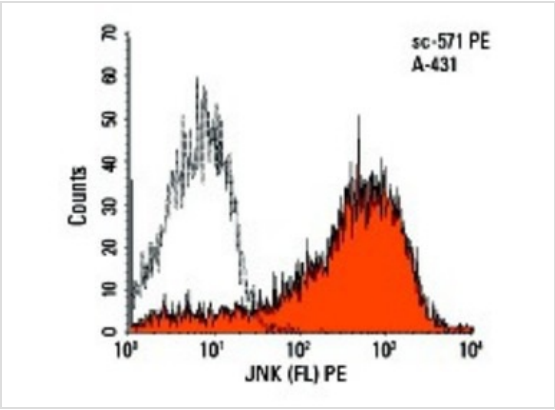
Western blot analysis of control (A,C) and UV-treated (B,D) JNK p46 (A,B) and JNK p54 (C,D) transfected COS cells.



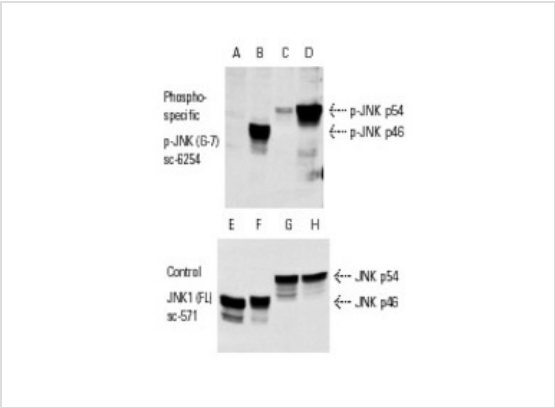
**Application**

Western blot analysis of JNK1 and JNK2 expression in K-562 (A), A-431 (B), NIH/3T3 (C), HeLa (D), RAW 264.7 (E) and Jurkat (F) whole cell lysates.





**Application**  
Intracellular FCM analysis of fixed and permeabilized A431 cells. Black line histogram represents the isotype control, normal rabbit IgG: .



**Application**  
Antibodies tested include p-JNK (G-7): (A-D) and JNK1 (FL): (E-H).

**Application Notes** recommended for detection of all JNK1, JNK2 and JNK3 p46 and p54 isoforms of mouse, rat, human, Drosophila, Xenopus, zebrafish and C. elegans origin by WB, IP, IF, FCM and ELISA; also reactive with additional species, including equine, canine, bovine, porcine and avian:

Additional Information

Form	Liquid
Storage Instructions	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.
Storage Buffer	phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Note	The product is for research use only,not for use in diagnostic or therapeutic procedures.

OmnimAbs.com

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This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt