

Product Data Sheet

Anti-JNK1/2/3 Antibody

Catalog #	Source	Reactivity	Applications
CPA7042	Rabbit	H, M, R, B, C, P	WB, IH, IF/IC
Description	Rabbit polyclonal antibody to JNK1/2/3		
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human JNK1/2/3. The exact sequence is proprietary.		
Purification	The antibody was purified by immunogen affinity chromatography.		
Specificity	Recognizes endogenous levels of JNK1/2/3 protein.		
Clonality	Polyclonal		
Conjugation			
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		
Dilution	WB (1/500 - 1/1000), IH (1/100 - 1/200), IF/IC (1/100 - 1/500)		
Gene Symbol	MAPK8; MAPK9; MAPK10		
Alternative Names	MAPK8; JNK1; PRKM8; SAPK1; SAPK1C; Mitogen-activated protein kinase 8; MAP kinase 8; JNK-46; Stress-activated protein kinase 1c; SAPK1c; Stress-activated protein kinase JNK1; c-Jun N-terminal kinase 1; MAPK9; JNK2; PRKM9; SAPK1A; Mitogen-activated protein kinase 9; MAP kinase 9; JNK-55; Stress-activated protein kinase 1a; SAPK1a; Stress-activated protein kinase JNK2; c-Jun N-terminal kinase 2; MAPK10; JNK3; JNK3A; PRKM10; SAPK1B; Mitogen-activated protein kinase 10; MAP kinase 10; MAP kinase p49 3F12; Stress-activated protein kinase 1b; SAPK1b; Stress-activated protein kinase JNK3; c-Jun N-terminal kinase 3		
Entrez Gene	5599, 5601, 5602 (Human); 26419, 26420 (Mouse); 116554, 50658, 25272 (Rat)		
SwissProt	P45983, P45984, P53779 (Human); Q91Y86, Q9WTU6, Q61831 (Mouse); P49185,		
Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference			
Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish			

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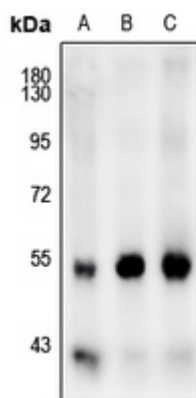
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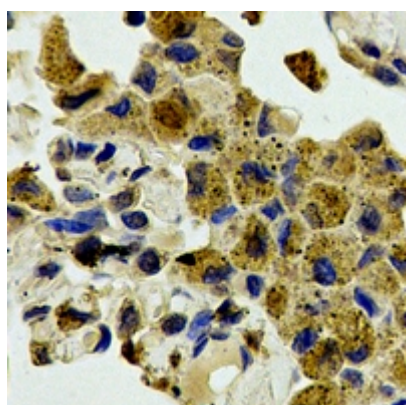
P49186, P49187 (Rat)

Storage/Stability

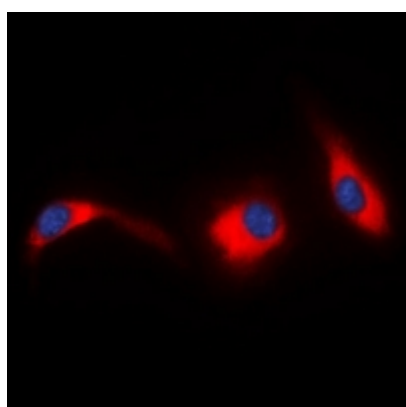
Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.



Western blot analysis of JNK1/2/3 expression in HCT116 (A), MCF7 (B), A549 (C) whole cell lysates. (Predicted band size: 48; 52 kD; Observed band size: 46; 54 kD)



Immunohistochemical analysis of JNK1/2/3 staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of JNK1/2/3 staining in LOVO cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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