

[KD Validated] Anti-MAPK10 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

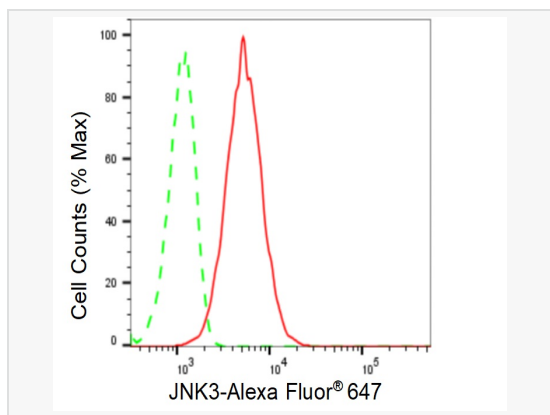
Catalog # R021075

Product Information

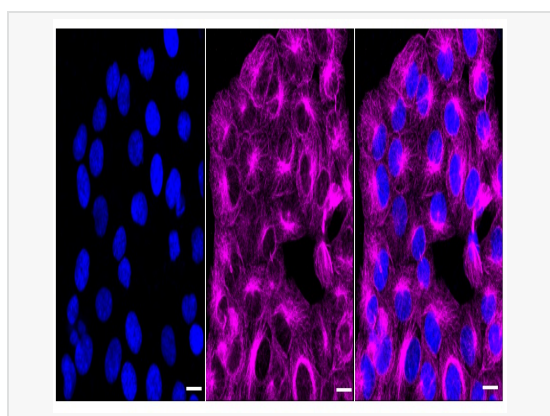
Application	WB, FC, IF (Cell)/ICC
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:5,000; FC 1:200~1:2,000; IF 1:100~1:1,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	60P37R49
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human JNK3
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 12 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	[KD Validated] Anti-MAPK10 Rabbit mAb [60P37R49] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

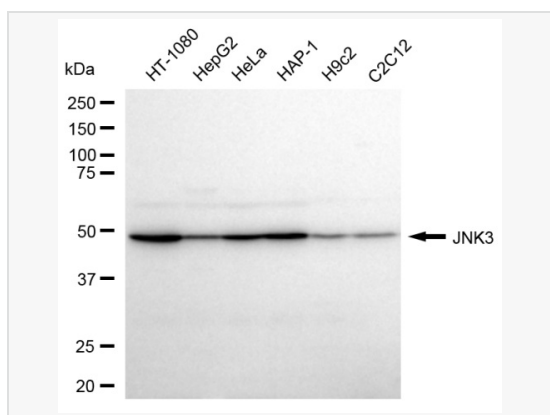
Synonyms	Mitogen-Activated Protein Kinase 10; JNK3; P54bSAPK; P493F12; PRKM10; Stress-Activated Protein Kinase JNK3; Stress-Activated Protein Kinase 1b; C-Jun N-Terminal Kinase 3; MAP Kinase P49 3F12; MAP Kinase 10; EC 2.7.11.24; SAPK1b; JNK3A; Stress Activated Protein Kinase Beta; JNK3 Alpha Protein Kinase; EC 2.7.11; MAPK 10; SAPK1B.
Calculated MW	Calculated MW: 53 kDa, Observed MW: 53 kDa
Uniprot ID	P53779
Gene ID	5602
Background	The stress-activated protein kinase/Jun-amino-terminal kinase SAPK/JNK is potently and preferentially activated by a variety of environmental stresses including UV and gamma radiation, ceramides, inflammatory cytokines, and in some instances, growth factors and GPCR agonists. Plays regulatory roles in the signaling pathways during neuronal apoptosis.



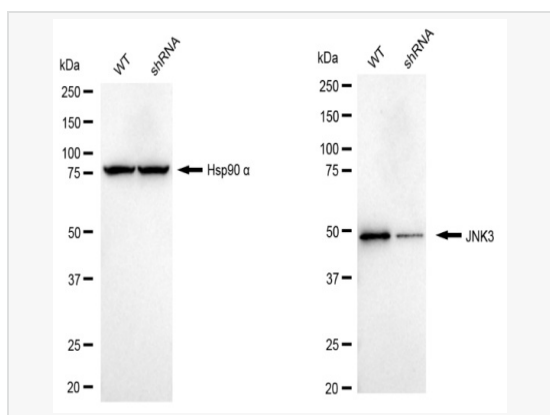
Flow cytometric analysis of JNK3 expression in HT-1080 cells using JNK3 antibody (R021075, 1:2,000). Green, isotype control; red, JNK3.



Immunocytochemical staining of HT-1080 cells with JNK3 antibody (R021075, 1:1,000). Nuclei were stained blue with DAPI; JNK3 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.



Western blotting analysis using JNK3 antibody (R021075). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with JNK3 antibody (R021075, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.



Western blotting analysis using JNK3 antibody (R021075). JNK3 expression in wild type (WT) and JNK3 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with JNK3 antibody (R021075, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.