Anti-JNK1/2/3 Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P104658

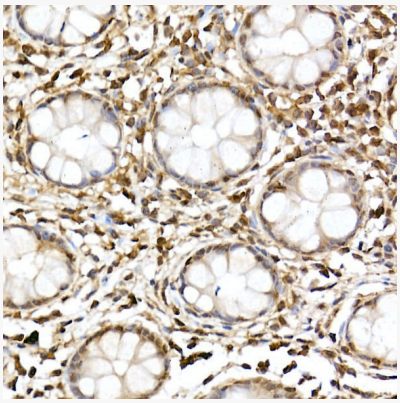
Product Information

Application	WB, IHC-P, IF (Cell)/ICC, IP, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:2000; IHC-P 1:50~1:200; IF 1:50~1:200; IP 0.5μg-4μg antibody for 400μg-600μg extracts of whole cells
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-370 of human JNK1/2/3 (NP_620637.1).
Format	Affinity purified polyclonal 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 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-JNK1/2/3 Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

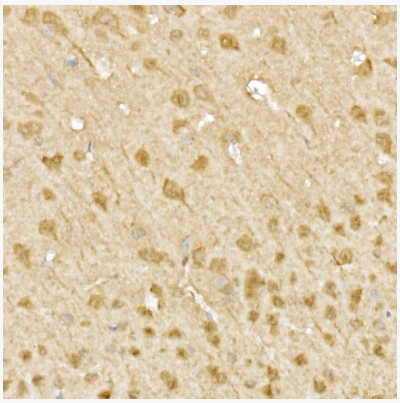
Protein Information

Synonyms	C Jun kinase 2; c Jun N terminal kinase 1; c Jun N terminal kinase 2; c Jun N terminal kinase 3; c-Jun N-terminal kinase 1; JNK 46; JNK 55; JNK; JNK-46; JNK1; JNK1+2+3; JNK1/2/3; JNK1A2; JNK2; JNK21B1/2; JNK2A; JNK2ALPHA; JNK2B; JNK2BETA; JNK3 alpha protein kinase; JNK3; JNK3A; Jun kinase; JUN N terminal kinase; MAP kinase 10; MAP kinase 8; MAP kinase 9; MAP kinase p49 3F12; MAPK 10; MAPK 8; MAPK 9; MAPK10; mapk8; MAPK9; Mitogen activated protein kinase 10; Mitogen activated protein kinase 8; Mitogen activated protein kinase 8 isoform JNK1 alpha1; Mitogen activated protein kinase 8 isoform JNK1 beta2; Mitogen activated protein kinase 9; Mitogen-activated protein kinase 8; MK08_HUMAN; p493F12; p54a; p54aSAPK; p54bSAPK; PRKM10; PRKM8; PRKM9; SAPK; SAPK (beta) ; SAPK1; SAPK1a; SAPK1b; SAPK1c; Stress activated protein kinase 1; Stress activated protein kinase 1a; Stress activated protein kinase 1b; Stress activated protein kinase 1c; Stress activated protein kinase beta; Stress activated protein kinase JNK1; Stress activated protein kinase JNK2; Stress activated protein kinase JNK3; Stress-activated protein kinase 1; Stress-activated protein kinase 1c; Stress-activated protein kinase JNK1.
Calculated MW	Calculated MW: 35 kDa/44 kDa/48 kDa/27 kDa/52 kDa; Observed MW: 46 kDa/54 kDa
Uniprot ID	P45983, P45984, P53779
Gene ID	5599, 5601, 5602
Background	JNK belongs to MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. JNK is activated by various cell stimuli, and targets specific transcription factors, and thus mediates immediate-early gene expression in response to cell stimuli. The activation of this kinase by tumor-necrosis factor alpha (TNF-alpha) is found to be required for TNF-alpha induced apoptosis. This kinase is also involved in UV radiation induced apoptosis, which is thought to be related to cytochrom c-mediated cell death pathway. Studies of the mouse counterpart of this gene suggested that this kinase play a key

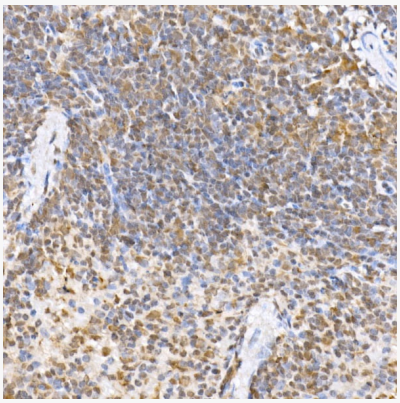
Validation Images



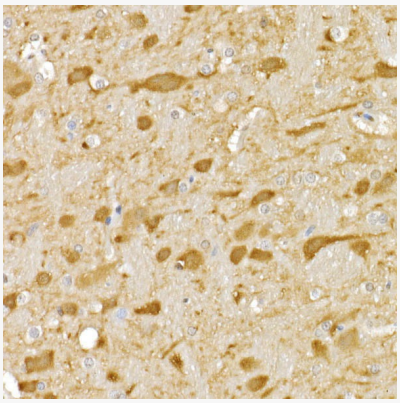
Immunohistochemistry analysis of paraffin-embedded Human colon using JNK1/2/3 Rabbit pAb (P104658) at dilution of 1:100 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



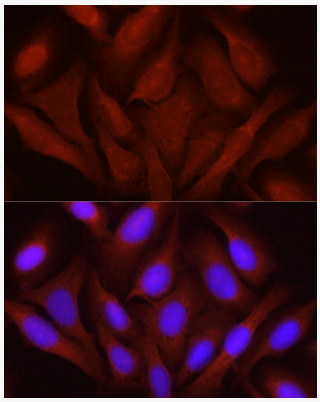
Immunohistochemistry analysis of paraffin-embedded Mouse brain using JNK1/2/3 Rabbit pAb (P104658) at dilution of 1:100 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



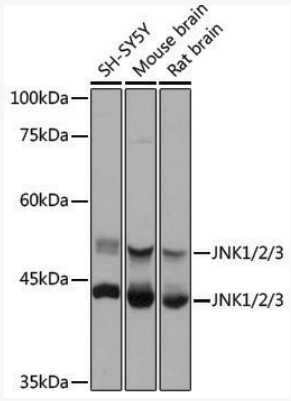
Immunohistochemistry analysis of paraffin-embedded Mouse spleen using JNK1/2/3 Rabbit pAb (P104658) at dilution of 1:100 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



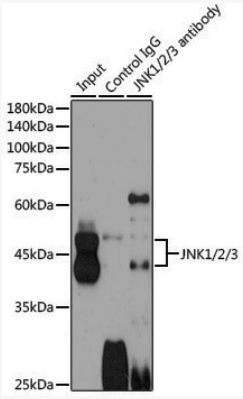
Immunohistochemistry analysis of paraffin-embedded Rat brain using JNK1/2/3 Rabbit pAb (P104658) at dilution of 1:100 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunofluorescence analysis of U2OS cells using JNK1/2/3 Rabbit pAb (P104658) at dilution of 1:100 (40× lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Western blot analysis of various lysates using JNK1/2/3 Rabbit pAb (P104658) at 1:1,000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 5s.



Immunoprecipitation analysis of 600 µg extracts of Mouse brain cells using 3 µg JNK1/2/3 antibody (P104658). Western blot was performed from the immunoprecipitate using JNK1/2/3 antibody (P104658) at a dilution of 1:1000.