

JNK Polyclonal Antibody

Catalog number: 10023-1-AP

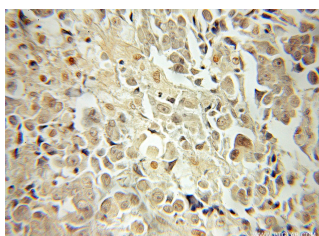
Size: 35 µg/150 µl

Source: Rabbit

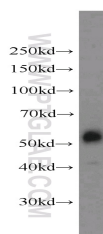
Isotype: IgG

Synonyms:

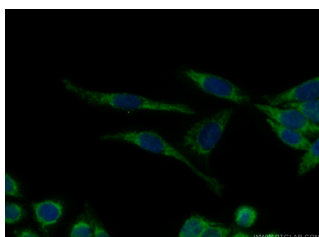
MAPK8; c Jun N terminal
kinase 1, JNK, JNK 46, JNK1,
JNK1A2, JNK21B1/2, MAP
kinase 8, MAPK 8, MAPK8,
PRKM8, SAPK1



Immunohistochemical of paraffin-embedded human prostate cancer using 10023-1-AP (JNK antibody) at dilution of 1:50 (under 10x lens)



HeLa cells were subjected to SDS PAGE followed by western blot with 10023-1-AP (JNK antibody) at dilution of 1:1000



Immunofluorescent analysis of (10% Formaldehyde) fixed HeLa cells using 10023-1-AP (JNK Antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)

Background

MAPK8 (Mitogen-activated protein kinase 8) is also named as JNK1, PRKM8, SAPK1, SAPK1C and belongs to the MAP kinase subfamily. MAPK8 is activated by dual phosphorylation at a Thr-Pro-Tyr motif during response to UV light. MAPK8 functions to phosphorylate c-Jun at N-terminal serine regulatory sites of Ser-63 and Ser-73, mapping within the transactivation domain. Phosphorylation of these sites in response to UV results in transcriptional activation of c-Jun. It has 4 isoforms produced by alternative splicing with the molecular weight of 46 kDa and 48 kDa. This protein can be phosphorylated and this antibody recognizes the 46 kDa and 55 kDa bands in western blot (PMID:11062067).

Applications

Tested applications:	ELISA, WB, IHC, IP, IF
Cited applications:	WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human
Calculated JNK MW:	48 kDa
Observed JNK MW:	40-45 kDa, 50-55 kDa
Positive WB detected in	HeLa cells, A431 cells, HEK-293 cells, Jurkat cells, PC-3 cells, rat spleen tissue, RAW264.7 cells, SH-SY5Y cells
Positive IP detected in	HeLa cells
Positive IHC detected in	Human prostate cancer tissue, human lung cancer tissue, mouse heart tissue
Positive IF detected in	HeLa cells
Recommended dilution:	WB: 1:500-1:5000 IP: 1:500-1:5000 IHC: 1:20-1:200 IF: 1:20-1:200

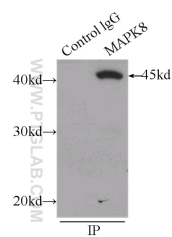
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag0019
GenBank accession number:	BC130570
Gene ID (NCBI):	5599
Full name:	Mitogen-activated protein kinase 8

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



IP Result of anti-JNK
(IP:10023-1-AP, 3ug;
Detection:10023-1-AP 1:1000)
with HeLa cells lysate 1000ug.