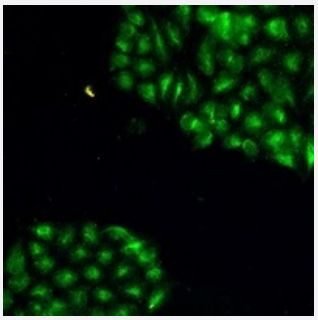
RecomAb™ Sm Size

Mapk8 recombinant monoclonal antibody

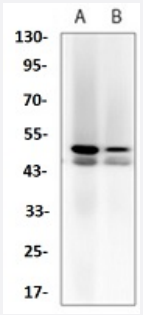
Catalog # RAB09185 Size 50 uL

Applications



Immunofluorescence

Immunofluorescent analysis of HeLa cells with JNK1 recombinant monoclonal antibody (Cat # RAB09185). 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 hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.



Western Blot (Cell lysate)

Western blot analysis of C6 (A), NIH3T3 (B) whole cell lysates with JNK1 recombinant monoclonal antibody (Cat # RAB09185).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against mouse Mapk8.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein of human JNK1.
Theoretical MW (kDa)	46, 54
Reactivity	Mouse, Rat

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Specificity	Recognizes endogenous levels of JNK1 protein.
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Immunogen affinity chromatography
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:100) Immunofluorescence (1:50-1:100) Immunoprecipitation (1:10-1:50) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50mM Tris-Glycine, pH 7.4 (0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunofluorescence

  Immunofluorescent analysis of HeLa cells with JNK1 recombinant monoclonal antibody (Cat # RAB09185). 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 hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.

- Western Blot (Cell lysate)

  Western blot analysis of C6 (A), NIH3T3 (B) whole cell lysates with JNK1 recombinant monoclonal antibody (Cat # RAB09185).

Gene Info — MAPK8

Entrez GeneID	5599
Protein Accession#	Q91Y86;P49185
Gene Name	MAPK8
Gene Alias	JNK, JNK1, JNK1A2, JNK21B1/2, PRKM8, SAPK1

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Gene Description	mitogen-activated protein kinase 8
Omim ID	601158
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular pro cesses such as proliferation, differentiation, transcription regulation and development. This kinase is activated by various cell stimuli, and targets specific transcription factors, and thus mediates im mediate-early gene expression in response to cell stimuli. The activation of this kinase by tumor-n ecrosis factor alpha (TNF-alpha) is found to be required for TNF-alpha induced apoptosis. This ki nase is also involved in UV radiation induced apoptosis, which is thought to be related to cytochro m c-mediated cell death pathway. Studies of the mouse counterpart of this gene suggested that th is kinase play a key role in T cell proliferation, apoptosis and differentiation. Four alternatively spli ced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq
Other Designations	JNK1 alpha protein kinase|JNK1 beta protein kinase|JUN N-terminal kinase|OTTHUMP0000001 9552|OTTHUMP00000019555|OTTHUMP00000019556|OTTHUMP00000019558|c-Jun N-termi nal kinase 1|mitogen-activated protein kinase 8 isoform JNK1 alpha1|mitogen-activated protein

Pathway

- Adipocytokine signaling pathway
- Colorectal cancer
- Epithelial cell signaling in Helicobacter pylori infection
- ErbB signaling pathway
- Fc epsilon RI signaling pathway
- Focal adhesion
- GnRH signaling pathway
- Insulin signaling pathway
- MAPK signaling pathway
- Neurotrophin signaling pathway
- Pancreatic cancer
- Pathways in cancer
- Toll-like receptor signaling pathway
- Type II diabetes mellitus

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Wnt signaling pathway

Disease

- Breast cancer
- Breast Neoplasms
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- HIV Infections

Copyright © 2023 Abnova Corporation. All Rights Reserved.