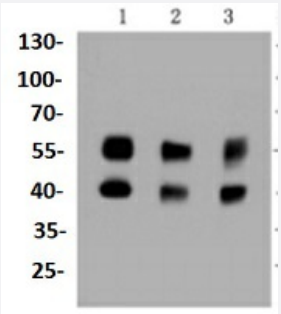
RecomAb™

MAPK8 recombinant monoclonal antibody

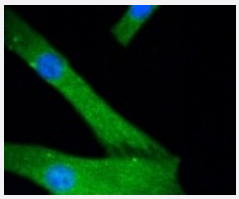
Catalog # RAB02669 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of Lane1:Hela whole cell lysate Lane2:PC12 whole cell lysate Lane3:K562 whole cell lysate with MAPK8 recombinant monoclonal antibody (Cat # RAB02669) at 1:1000 dilution.



Immunocytochemistry

Immunocytochemical staining of NIH/3T3 cells using MAPK8 recombinant monoclonal antibody (Cat # RAB02669)(green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against MAPK8.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant MAPK8.
Theoretical MW (kDa)	46, 54
Reactivity	Chicken, Human, Monkey, Mouse, Rat, Zebra fish
Specificity	This antibody detects endogenous levels of JNK1/2/3 proteins.

Form	Liquid
Purification	Protein A purification
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Western Blot (1:1000-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS , pH7.2 (0.02% sodium azide and 50% glycerol)
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.

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- Immunofluorescence

Gene Info — MAPK8

Entrez GeneID	5599
Protein Accession#	P45983
Gene Name	MAPK8
Gene Alias	JNK, JNK1, JNK1A2, JNK21B1/2, PRKM8, SAPK1
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
- Wnt signaling pathway

Disease

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