

MAPK8 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00005599-T01 Size 100 uL

Applications



SDS-PAGE Gel

MAPK8 transfected lysate

Western Blot

Lane 1: MAPK8 transfected lysate (48.3 KDa). Lane 2: Non-transfected lysate.

Specification	
Transfected Cell Line	293T
Plasmid	pCMV-MAPK8 full-length
Host	Human
Theoretical MW (kDa)	48.3
Quality Control Testing	Transient overexpression cell lysate was tested with Anti-MAPK8 antibody (H00005599-B01) by We stern Blots. SDS-PAGE Gel MAPK8 transfected lysate Western Blot Lane 1: MAPK8 transfected lysate (48.3 KDa). Lane 2: Non-transfected lysate.



Product Information

Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bro mophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

• Western Blot

Gene Info — MAPK8	
Entrez GenelD	<u>5599</u>
GeneBank Accession#	<u>NM_139049</u>
Protein Accession#	<u>NP_620637</u>
Gene Name	MAPK8
Gene Alias	JNK, JNK1, JNK1A2, JNK21B1/2, PRKM8, SAPK1
Gene Description	mitogen-activated protein kinase 8
Omim ID	<u>601158</u>
Gene Ontology	<u>Hyperlink</u>
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

😵 Abnova

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

Disease

- Breast cancer
- Breast Neoplasms
- <u>Cardiovascular Diseases</u>
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- HIV Infections