

MAPK8 (phospho T183/Y185) polyclonal antibody

Catalog # PAB0909

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of MAPK8.
Immunogen	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding T183/Y185 of human MAPK8.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Recommend Usage	Western Blot (1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.2% gelatin, 0.09% sodium azide)
Storage Instruction	Store at 4°C. Do not freeze.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)
- Immunohistochemistry (Frozen sections)

Gene Info — MAPK8

Entrez GeneID [5599](#)

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	<p>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 processes such as proliferation, differentiation, transcription regulation and development. This kinase 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 cytochrome c-mediated cell death pathway. Studies of the mouse counterpart of this gene suggested that this kinase play a key role in T cell proliferation, apoptosis and differentiation. Four alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq]</p>
Other Designations	JNK1 alpha protein kinase JNK1 beta protein kinase JUN N-terminal kinase OTTHUMP00000019552 OTTHUMP00000019555 OTTHUMP00000019556 OTTHUMP00000019558 c-Jun N-terminal kinase 1 mitogen-activated protein kinase 8 isoform JNK1 alpha1 mitogen-activated protein

Publication Reference

- [c-JUN N-terminal kinase-1 \(JNK1\) but not JNK2 or JNK3 is involved in UV signal transduction in human epidermis.](#)

Katagiri C, Negishi K, Hibino T.

Journal of Dermatological Science 2006 Jul; 43(3):171.

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](#)