

# MAPK8 (phospho T183/Y185) polyclonal antibody

Catalog # PAB0909

Size 200 ug

## Specification

|                            |  |
|----------------------------|--|
| <b>Product Description</b> | Rabbit polyclonal antibody raised against synthetic phosphopeptide of MAPK8.   |
| <b>Immunogen</b>           | Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding T183/Y185 of human MAPK8.         |
| <b>Host</b>                | Rabbit   |
| <b>Reactivity</b>          | Human, Mouse, Rat  |
| <b>Form</b>                | Liquid   |
| <b>Recommend Usage</b>     | Western Blot (1:200)<br>The optimal working dilution should be determined by the end user.                             |
| <b>Storage Buffer</b>      | In PBS (0.2% gelatin, 0.09% sodium azide)  |
| <b>Storage Instruction</b> | Store at 4°C. Do not freeze.   |
| <b>Note</b>                | 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            | <a href="#">601158</a>   |
| Gene Ontology      | <a href="#">Hyperlink</a>  |
| 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 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] |
| 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](#)