

## MAPK9 Monoclonal Antibody

### Description

|                                |  |
|--------------------------------|--|
| <b>Product type</b>            | Antibody   |
| <b>Code</b>                    | BT-MCA3175   |
| <b>Host</b>                    | Mouse  |
| <b>Isotype</b>                 | Mouse IgG1   |
| <b>Size</b>                    | 100µL, 50µL  |
| <b>Immunogen</b>               | Purified recombinant fragment of human MAPK9 (AA: 227-382) expressed in E. Coli. |
| <b>Mol wt</b>                  | 48.1kDa  |
| <b>Species reactivity</b>      | Others   |
| <b>Clonality</b>               | Monoclonal   |
| <b>Recommended application</b> | WB,FCM   |
| <b>Concentration</b>           | N/A  |
| <b>Full name</b>               | N/A  |
| <b>Synonyms</b>                | JNK2;SAPK;p54a;JNK2A;JNK2B;PRKM9;JNK-55;SAPK1a;JNK2BETA;p54aSAPK;JNK2ALPHA       |

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

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 targets specific transcription factors, and thus mediates immediate-early gene expression in response to various cell stimuli. It is most closely related to MAPK8, both of which are involved in UV radiation induced apoptosis, thought to be related to the cytochrome c-mediated cell death pathway. This gene and MAPK8 are also known as c-Jun N-terminal kinases. This kinase blocks the ubiquitination of tumor suppressor p53, and thus it increases the stability of p53 in nonstressed cells. Studies of this gene's mouse counterpart suggest a key role in T-cell differentiation. Several alternatively spliced transcript variants encoding distinct isoforms have been reported.

### Recommended Dilution

WB: 1:500 - 1:2000

FCM: 1:200 - 1:400

ELISA: 1:10000

Not yet tested in other applications.

### Images

No images.

### Storage

Store at 4°C short term. Aliquot and store at -20°C long term.