

Anti-MAPK9(Mitogen-activated protein kinase 9) Polyclonal Antibody

Cat. #: 60B788

Description:

MAPK9(Mitogen-activated protein kinase 9) is responds to activation by environmental stress and pro-inflammatory cytokines by phosphorylating a number of transcription factors, primarily components of AP-1 such as c-Jun and ATF2 and thus regulates AP-1 transcriptional activity. In T-cells, JNK1 and JNK2 are required for polarized differentiation of T-helper cells into Th1 cells. JNK2 isoforms display different binding patterns: alpha-1 and alpha-2 preferentially bind to c-Jun, whereas beta-1 and beta-2 bind to ATF2. However, there is no correlation between binding and phosphorylation, which is achieved at about the same efficiency by all isoforms. JUNB is not a substrate for JNK2 alpha-2, and JUND binds only weakly to it.

Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to N-terminal residues of human MAPK9(Mitogen-activated protein kinase 9)

References

Sluss,H.K., et al, Mol. Cell. Biol. 14 (12), 8376-8384 (1994)
Kallunki,T., et al, Genes Dev. 8 (24), 2996-3007 (1994)
Gupta,S., et al, EMBO J. 15 (11), 2760-2770 (1996)
Fleming,Y., et al, Biochem. J. 352 PT 1, 145-154 (2000)

Clone Number:

Isotype:

Species: Human

Storage and Stability: at -20oC

Storage buffer:

This antibody is stored in PBS, 0.01% sodium azide and 50% glycerol.

Preparation:

Purified by antigen-specific affinity chromatography.

Applications :

ELISA

Western Blotting (1µg/ml for 2hrs)