
Anti-p-p38 MAP kinase

Cat #: HM1409
Mouse monoclonal IgM
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

p38 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 environmental stresses and proinflammatory cytokines. The activation requires its phosphorylation by MAP kinase kinases (MKKs), or its autophosphorylation triggered by the interaction of MAP3K7IP1/TAB1 protein with this kinase. The substrates of this kinase include transcription regulator ATF2, MEF2C, and MAX, cell cycle regulator CDC25B, and tumor suppressor p53, which suggest the roles of this kinase in stress related transcription and cell cycle regulation, as well as in genotoxic stress response.

SPECIFICITY

This antibody specifically reacts with p38 phosphorylated at Tyr-182 of mouse, rat and human origin by Western Blotting, immunoprecipitation and immunofluorescence.

Molecular Weight of p-p38: 38 kDa.

Positive Controls: Heat shocked NIH/3T3 whole cell lysate.

IMMUNOGEN

A peptide containing phosphorylated Tyr 182 of human p38.

STORAGE

This antibody is stable for 12 months when stored at 2-8° C.

REFERENCES

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