
MAPK1 (activated) Antibody**Subcategory:** Mouse Monoclonal Antibody**Cat. No.:** 251762**Unit:** 0.1 mg**Description:**

Mitogen-activated protein kinase 1 (MAP kinase 1) is involved in both the initiation and regulation of meiosis, mitosis, and postmitotic functions in differentiated cells by phosphorylating a number of transcription factors such as ELK1. MAP kinase 1 acts as a transcriptional repressor. MAP kinase 1 binds to a [GC]AAA[GC] consensus sequence. MAP kinase 1 represses the expression of interferon gamma-induced genes. MAPK1 is activated by phosphorylation on Thr-185 and Tyr-187 in response to insulin and NGF. Both phosphorylations are required for activity. This antibody binds to the diphosphorylated form.

Isotype: Mouse IgG1**Applications:** E, WB, IHC, ICC**Species Reactivity:** H, M, R, O

Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4, 0.2% BSA with 0.09% sodium azide. Antibody was purified by goat anti-mouse IgG affinity chromatography.

Alternate Names: Mitogen-activated protein kinase 1; MAP kinase 1; MAPK 1; ERT1; Extracellular signal-regulated kinase 2; ERK-2; MAP kinase isoform p42; p42-MAPK; Mitogen-activated protein kinase 2; MAP kinase 2; MAPK 2; MAPK1; ERK2; PRKM1; PRKM2

Accession No.: P28482**Antigen:** Recombinant diphosphorylated human MAPK1.

Application Notes: E: 1:1,000-1:10,000; WB: 0.25-5 ug/ml; IHC: 0.4-1 ug/ml; ICC: 0.4-1 ug/ml

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.