
ERK/MAPK (Thr202/Tyr204) Antibody

Subcategory: Rabbit Polyclonal Antibody, Phosphospecific Antibody

Cat. No.: 252540

Unit: 0.1 ml

Description:

The activation of signal transduction pathways by growth factors, hormones and neurotransmitters is mediated through two closely related MAP kinases, p44 and p42 encoded by ERK1 and ERK2 respectively. Both kinases are regulated by dual specific phosphorylation on tyrosine and threonine in response to insulin and NGF. ERK/MAPK 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. The activity of ERK/MAPK is regulated by dual phosphorylation at Thr202 and Tyr204.

Isotype: Rabbit Ig

Applications: E, WB, IHC

Species Reactivity: B, D, Ck, M, X, Zf

Format: Each vial contains 0.1 ml IgG in HEPES pH7.5, 150 mM NaCl, 0.01% BSA and 50% glycerol. Antibody was purified by immunogen affinity chromatography.

Alternate Names: ERK-1; Mitogen-activated protein kinase 3; Extracellular signal-regulated kinase 1; Insulin-stimulated MAP2 kinase; MAP kinase 1; MAPK1; p44-ERK1; ERT2; p44-MAPK; Microtubule-associated protein 2 kinase; MAPK3; ERK1; PRKM3; and for ERK-2; Mitogen-activated protein kinase 1; Extracellular signal-regulated kinase 2; Mitogen-activated protein kinase 2; MAP kinase 2; MAPK2; p42-MAPK; ERT1; MAPK1; ERK2; PRKM1; PRKM2

Accession No.: P63086

Antigen: KLH-conjugated synthetic phosphopeptide encompassing a sequence surrounding Thr202/Tyr204 of rat ERK/MAPK.

Application Notes: E: 1:1,000; WB: 1:1,000; IHC: 1:500

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.