

ERK1/2 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 251140

Unit: 0.1 mg

Description:

ERK1 and ERK2 (Extracellular signal-regulated kinase 1 and 2) are members of the MAP kinase signal transduction pathway. 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. ERK1 and ERK2 are 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.

Isotype: Rabbit Ig

Applications: E, WB, IHC

Species Reactivity: H, M, R

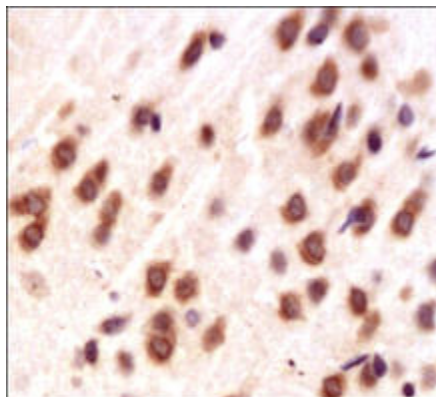
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

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.: P27361, P28482

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human ERK1/2.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500



ERK1/2 staining in human hippocampus. Paraffin-embedded human hippocampus is stained with ERK1/2 Antibody (Cat. No. 251140) used at 1:200 dilution.

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.