
ERK2 (4C11) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 252672

Unit: 0.1 mg

Description:

ERK2 (Extracellular-signal-related kinase 2 or mitogen-activated protein kinase 1) is a 360-amino acid protein (~40kDa), belongs to 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. The activation of ERK2 requires its phosphorylation by upstream kinases. ERK2 is located in the cytoplasm of resting cells and translocates into the nucleus upon extracellular stimuli by active transport of a dimer. ERK2 is essential for placental development and ERK2 in the trophoblast compartment may be indispensable for the vascularization of the labyrinth.

Isotype: Mouse IgG2a

Applications: WB, IHC, IF

Species Reactivity: H, M, Mk

Format: Each vial contains 0.1 mg IgG in PBS pH7.4 with 0.03% sodium azide. Antibody was purified by Protein-G 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; ERK2; PRKM1; PRKM2; MAPK1

Accession No.: P28482

Antigen: Purified recombinant fragment of human ERK2 expressed in E. coli.

Application Notes: WB: 1:500-1:2000; IHC: 1:200-1:1000; IF: 1:200-1:1000;

Storage: Store at 4°C for short term use only. Store at -20°C for storage over 1 month. Product is guaranteed 6 months from the date of shipment.

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