

Product Datasheet

ERK2 Antibody

Catalog No: CY5045

Reactivity: Human, Mouse, Rat

Isotype: Rabbit IgG

Applications: WB, IHC, ICC/IF, IP, FC



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Information

UniProt ID: P28482

All Names: ERK2; PRKM1; PRKM2; Mitogen-activated protein kinase 1; MAP kinase 1; MAPK 1; ERT1; 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

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 41 kDa

Application

WB: 1:500~1:2000

IHC: 1:50~1:100

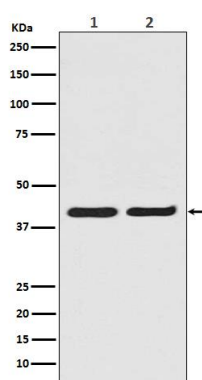
ICC/IF: 1:50~1:100

IP: 1:40

FC: 1:40

Background

ERK2 (also designated extracellular-signal-related kinase 2 or mitogen-activated protein kinase 1), with 360-amino acid protein (about 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.



Western blot analysis of ERK2 in (1) A431 cell lysate;
(2) HeLa cell lysate.

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