

Product Datasheet

Phospho- Erk1 (T202/Y204) + Erk2 (T185/Y187) Antibody



Catalog No: CY5044

Reactivity: Human

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Isotype: Rabbit IgG

Applications: WB, IHC, ICC, FC

Information

UniProt ID: P27361

All Names: EC 2.7.11.24; MAPK3; Microtubule- associated protein-2 kinase; Mitogen-activated protein kinase 3; MK03; MNK1; p44-ERK1; P44-ER; ERK-1; ERK1; ERT2; Extracellular signal- regulated kinase 1; Insulin-stimulated MAP2 kinase; kinase ERK1; MAP kinase 1; MAPK 1

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.: 42 kDa, 44 kDa

Application

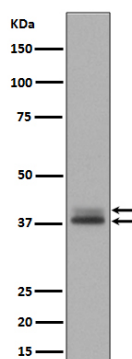
WB: 1:500~1:2000

IHC: 1:50~1:100

ICC: 1:50~1:100

Background

Serine/threonine kinase which acts as an essential component of the MAP kinase signal transduction pathway. MAPK1/ERK2 and MAPK3/ERK1 are the 2 MAPKs which play an important role in the MAPK/ERK cascade. They participate also in a signaling cascade initiated by activated KIT and KITLG/SCF. Depending on the cellular context, the MAPK/ERK cascade mediates diverse biological functions such as cell growth, adhesion, survival and differentiation through the regulation of transcription, translation, cytoskeletal rearrangements.



Western blot analysis of Phospho- Erk1 (T202/Y204) + Erk2 (T185/Y187) expression in A431 cell lysate treated with EGF.

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