Product Datasheet

Phospho-ERK1 (T202) + ERK2 (T185) Antibody

Catalog No: CY7165 Reactivity: Human Mouse Rat

Isotype: Rabbit IgG Applications: WB IHC ICC/IF IP

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Information

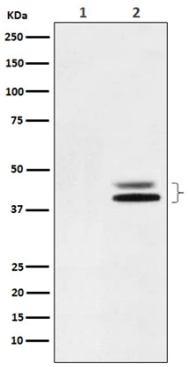
UniProt ID: P27361
All Names: MAPK3; MK03; MNK1; p44-ERK1; P44-ER; ERK-1; ERK1; ERT2; kinase ERK1; MAP kinase 1; MAPK 1;
Form: Liquid
Storage instructions: Store at +4℃ short term. Store at -20℃ long term. Avoid freeze / thaw cycle.
Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity: Affinity-chromatography
Immunogen: A synthesized peptide
Molecular Wt.: 42,44kDa

Application

WB 1:500~1:1000
IHC 1:50~1:200
ICC/IF 1:50~1:200
IP 1:40

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) + ERK2 (T185) expression in (1) NIH/3T3 cell lysate; (2) NIH/3T3 cell lysate treated with PDGF.