

Recombinant ERK2 Monoclonal Antibody

catalog number: E-AB-81446

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

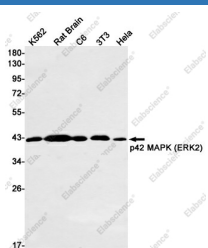
Reactivity	Human;Mouse;Rat
Immunogen	A synthetic peptide of human ERK2
Host	Rabbit
Isotype	Rabbit IgG
Clone	C123232
Purification	Affinity Purified
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.05% stabilizer and 0.05% protective protein.

Applications

Recommended Dilution

WB	1:500-1:1000
IHC	1:20-1:100
IF	1:50-1:100

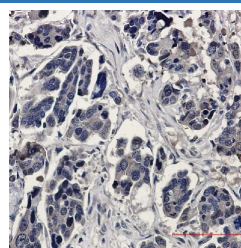
Data



Western blot detection of ERK2 in K562, Rat Brain, C6, 3T3, Hela cell lysates using ERK2 Rabbit mAb (1:1000 diluted). Predicted band size: 41 kDa. Observed band size: 41 kDa.

Observed-MW: 41 kDa

Calculated-MW: 41 kDa



Immunohistochemistry of ERK2 in paraffin-embedded Human Cholangiocarcinoma using ERK2 Rabbit mAb at dilution 1:20

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

Background

This gene encodes a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), 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 this kinase requires its phosphorylation by upstream kinases. Upon activation, this kinase translocates to the nucleus of the stimulated cells, where it phosphorylates nuclear targets. One study also suggests that this protein acts as a transcriptional repressor independent of its kinase activity. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. Two alternatively spliced transcript variants encoding the same protein, but differing in the UTRs, have been reported for this gene.

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