ERK 1/2 Monoclonal Antibody

Catalog Number: E-AB-22172



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

Description

Reactivity Human, Mouse, Rat **Immunogen** Synthetic Peptide

Host Mouse Isotype IgG

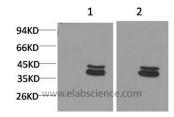
Purification Protein A purification

Formulation PBS with 0.02% sodium azide, 0.5% protective protein and 50% glycerol, pH7.4

Applications Recommended Dilution

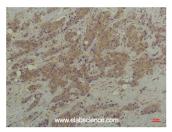
WB 1:1000-2000 IHC 1:50-100

Data



Western Blot analysis of 1) Mouse brain, 2) Rat brain using ERK 1/2 Monoclonal Antibody at dilution of 1:2000.

Observed Mw:44,42kDa



Immunohistochemistry of paraffin-embedded Human breast carcinoma tissue using ERK 1/2 Monoclonal Antibody at dilution of 1:200.

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

Background

Involved in both the initiation and regulation of meiosis, mitosis, and postmitotic functions in differentiated cells by phosphorylating a number of transcription factors such as ELK1. Phosphorylates EIF4EBP1; required for initiation of translation. Phosphorylates microtubule-associated protein 2 (MAP2). Phosphorylates SPZ1 (By similarity). Phosphorylates heat shock factor protein 4 (HSF4) and ARHGEF2.Acts as a transcriptional repressor. Binds to a [GC]AAA[GC] consensus sequence. Repress the expression of interferon gamma-induced genes. Seems to bind to the promoter of CCL5, DMP1, IFIH1, IFITM1, IRF7, IRF9, LAMP3, OAS1, OAS2, OAS3 and STAT1. Transcriptional activity is independent of kinase activity.

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