

ERK 1/2 Monoclonal Antibody

catalog number: E-AB-22142

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

Description

| | |
|---------------------|---|
| Reactivity | Human;Mouse;Rat |
| Immunogen | Synthetic Peptide of ERK1/2 |
| Host | Mouse |
| Isotype | IgG |
| Clone | 7D3 |
| Purification | Protein A purification |
| Buffer | Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 0.5% protein protectant and 50% glycerol. |

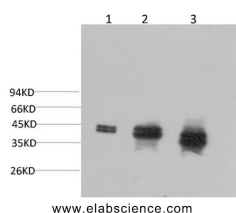
Applications

WB

Recommended Dilution

1:1000-2000

Data



Western Blot analysis of 1) Hela, 2) Mouse brain, 3) Rat brain using ERK 1/2 Monoclonal Antibody at dilution of 1:2000.

Observed-MW:44 ,42kDa

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

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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