

ERK 1/2 Monoclonal Antibody

Catalog Number:E-AB-22142



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

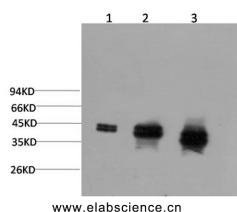
Description

Reactivity	Human,Mouse,Rat
Immunogen	Synthetic Peptide of ERK1/2
Host	Mouse
Isotype	IgG
Clone	Clone:7D3
Purification	Protein A purification
Conjugation	Unconjugated
Formulation	PBS with 0.02% sodium azide, 0.5% BSA and 50% glycerol, pH7.4

Applications Recommended Dilution

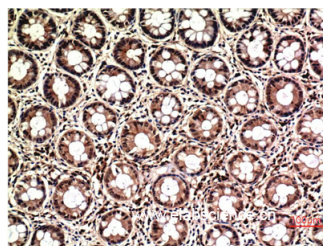
WB	1:1000-2000
IHC	1:100-200

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



Immunohistochemistry of paraffin-embedded Human colon 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.

For Research Use Only

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