

Phospho-ERK 1/2 (Tyr222/205) Monoclonal Antibody

Catalog Number:E-AB-51039



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

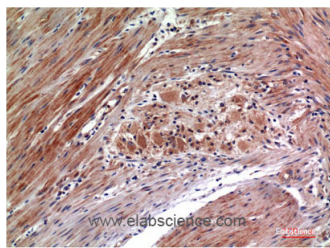
Description

Reactivity	Human,Mouse,Rat
Immunogen	Synthetic Peptide of Phospho-ERK 1/2 (Tyr222/205)
Host	Mouse
Isotype	IgG
Clone	Clone:4D4
Purification	Protein A purification
Conjugation	Unconjugated
Formulation	PBS with 0.02% sodium azide, 0.5% protective protein and 50% glycerol, pH7.4

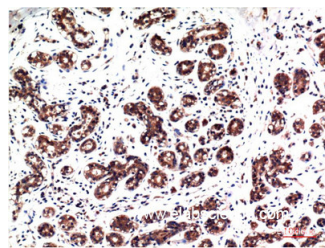
Applications Recommended Dilution

IHC	1:100-200
------------	-----------

Data



Immunohistochemistry of paraffin-embedded Human colon carcinoma tissue with Phospho-ERK 1/2 (Tyr222/205) Monoclonal Antibody at dilution of 1:200



Immunohistochemistry of paraffin-embedded Human breast carcinoma tissue with Phospho-ERK 1/2 (Tyr222/205) 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

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623

Web: www.elabscience.com

Tel: 1-832-243-6086

Email: techsupport@elabscience.com

Fax: 1-832-243-6017