

Phospho-ERK 1/2 (Tyr204) Polyclonal Antibody

Catalog No. E-AB-20869

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

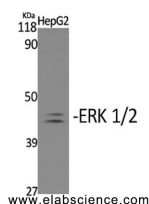
Description

| | |
|---------------------|--|
| Reactivity | Human, Mouse, Rat |
| Immunogen | Synthesized peptide derived from human ERK 1/2 around the phosphorylation site of Tyr204 |
| Host | Rabbit |
| Isotype | IgG |
| Purification | Affinity purification |
| Conjugation | Unconjugated |
| Buffer | PBS with 0.02% sodium azide, 0.5% protective protein and 50% glycerol, pH7.4 |

Applications Recommended Dilution

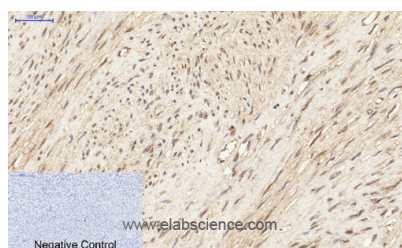
| | |
|------------|--------------|
| WB | 1:500-1:2000 |
| IHC | 1:100-1:300 |
| IF | 1:200-1:1000 |

Data

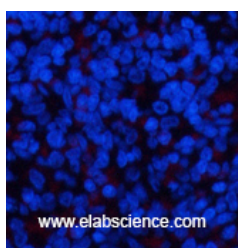


Western Blot analysis of HepG2 cells with Phospho-ERK 1/2 (Tyr204) Polyclonal Antibody at dilution of 1:2000

Observed Mw:44+42kDa
Calculated Mw:43kDa



Immunohistochemistry of paraffin-embedded Human uterus tissue with Phospho-ERK 1/2 (Tyr204) Polyclonal Antibody at dilution of 1:200



Immunofluorescence analysis of Rat spleen tissue with Phospho-ERK 1/2 (Tyr204) Polyclonal Antibody at dilution of 1:200

For Research Use Only

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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