# Recombinant ERK2 Monoclonal Antibody

**catalog number: E-AB-81446**

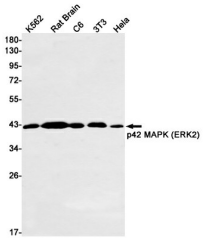
**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

## Description

| | |
|---|---|
| **Reactivity** | Human;Mouse;Rat |
| **Immunogen** | A synthetic peptide of human ERK2 |
| **Host** | Rabbit |
| **Isotype** | IgG |
| **Clone** | R07-1A9 |
| **Purification** | Affinity Purified |
| **Buffer** | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.05% stabilizer and 0.05% protective protein. |

| Applications | Recommended Dilution |
|---|---|
| **WB** | 1:500-1:1000 |
| **IHC** | 1:20-1:100 |
| **IF** | 1:50-1:100 |

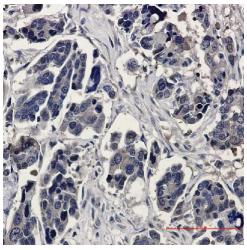
## Data




Western blot detection of ERK2 in K562,Rat Brain,C6,3T3,Hela cell lysates using ERK2 Rabbit mAb(1:1000 diluted).Predicted band size:41kDa.Observed band size:41kDa.

**Observed-MW:41 kDa**

**Calculated-MW:41 kDa**



Immunohistochemistry of ERK2 in paraffin-embedded Human Cholangiocarcinoma using ERK2 Rabbit mAb at dilution 1:20

## Preparation & Storage

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|---|---|
| **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

This gene encodes a member of the MAP kinase family.MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development.The activation of this kinase requires its phosphorylation by upstream kinases.Upon activation, this kinase translocates to the nucleus of the stimulated cells, where it phosphorylates nuclear targets.One study also suggests that this protein acts as a transcriptional repressor independent of its kinase activity.The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions.Two alternatively spliced transcript variants encoding the same protein, but differing in the UTRs, have been reported for this gene.


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