BT LAB
Bioassay Technology Laboratory
*Optimize Your Research*

# P44/42 MAPK (ERK1/2) Monoclonal Antibody(6C10)

## Description

| | |
|---|---|
| **Product type** | Primary Antibody |
| **Code** | BT-MCA0974 |
| **Host** | Mouse |
| **Isotype** | IgG |
| **Size** | 20ul, 50ul, 100ul |
| **Immunogen** | Synthetic Peptide of P44/42 MAPK (ERK1/2) |
| **Mol wt** | N/A |
| **Species reactivity** | Human,Rat,Mouse |
| **Clonality** | Monoclonal |
| **Recommended application** | WB, IHC-p, IF |
| **Concentration** | 1 mg/ml |
| **Full name** | N/A |
| **Synonyms** | MAPK3; ERK1; PRKM3; Mitogen-activated protein kinase 3; MAP kinase 3; MAPK 3; ERT2; Extracellular signal-regulated kinase 1; ERK-1; Insulin-stimulated MAP2 kinase; MAP kinase isoform p44; p44-MAPK; Microtubule-associated protein 2 kinase; p |

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

## Background

The protein encoded by this gene is a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act in a signaling cascade that regulates various cellular processes such as proliferation, differentiation, and cell cycle progression in response to a variety of extracellular signals. This kinase is activated by upstream kinases, resulting in its translocation to the nucleus where it phosphorylates nuclear targets. Alternatively spliced transcript variants encoding different protein isoforms have been described.

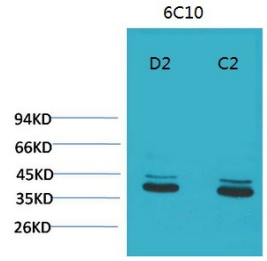
## Recommended Dilution

IHC: 1:50-100

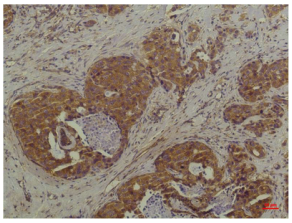
WB: 1:1000-2000

Not yet tested in other applications.

## Images




Western blot analysis of 1)Mouse Brain Tissue, 2) Rat Brain Tissue with P44/42 MAPK(ERK1/2) Mouse Monoclonal antibody diluted at 1:2.000.



Immunohistochemical analysis of paraffin-embedded Human Breast Carcinoma using P44/42 MAPK (ERK1/2) Mouse Monoclonal antibody diluted at 1:200.

## Storage

-20°C for one year

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: save@bt-laboratory.com | www.bt-laboratory.com