

# P44 42 MAPK(ERK1 2)(Phospho Thr202 Tyr204) Mouse Monoclonal Antibody(4G3)

## Catalog No: RA10119

### Basic Information

|                          |  |
|--------------------------|--|
| Host species             | Mouse  |
| Applications             | IHC  |
| Species Cross-Reactivity | H,R,M  |
| Specificity              | Antibody can detects endogenous P44/42 MAPK(ERK1/2) Phospho Thr202/Tyr204 protein. |
| Recommended dilutions    | IHC: 1:100-200<br>Optimal dilutions should be determined by the end user.          |

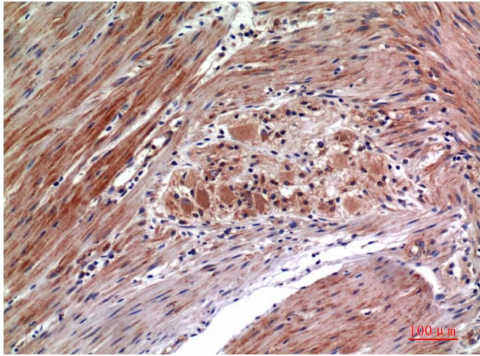
### Applications

|               |  |
|---------------|--|
| Formulation   | PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol. |
| Storage       | Store at -20°C. Avoid repeated freeze-thaw cycles.                           |
| Concentration | 1 mg/ml  |
| Clonality     | Monoclonal   |

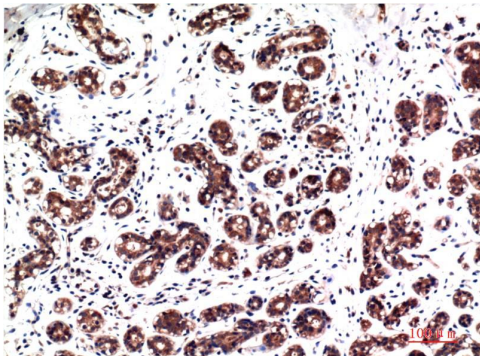
### Background

|                         |   |
|-------------------------|---|
| Alternative Names       | MAPK, Mitogen-activated protein Kinase, PRKM2,MK01  |
| Observed band           | 44,42   |
| Human Gene ID           |   |
| Human Swiss-Prot Number | P27361/P28482   |
| Background              | Mitogen-activated protein kinases (MAPKs) are a widely conserved family of serine/threonine protein kinases involved in many cellular programs such as cell proliferation, differentiation, motility, and death. The p44/42 MAPK (Erk1/2) signaling pathway can be activated in response to a diverse range of extracellular stimuli including mitogens, growth factors, and cytokines and is an important target in the diagnosis and treatment of cancer. |

## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded Human Colon Carcinoma Tissue using Phospho-ERK1/2 Y205/222 Mouse mAb diluted at 1:200.



Immunohistochemical analysis of paraffin-embedded Human Breast Carcinoma Tissue using Phospho-ERK1/2 Y205/222 Mouse mAb diluted at 1:200.