

# P44 42 MAPK(ERK1 2) Mouse Monoclonal Antibody(6B1)

## Catalog No: RA10050

### Basic Information

Host species	Mouse
Applications	WB,IHC
Species Cross-Reactivity	H,R,M
Specificity	Antibody can detects endogenous P44/42 MAPK(ERK1/2) protein.
Recommended dilutions	WB: 1:1,000-2,000    IHC: 1:100-200 Optimal dilutions should be determined by the end user.

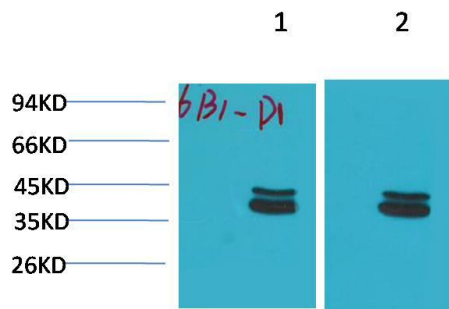
### Applications

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

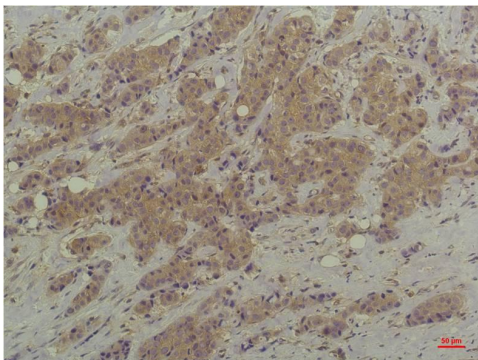
### Background

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



Western blot analysis of 1) Mouse Brain Tissue, 2) Rat Brain Tissue with P44/42 MAPK(ERK1/2) Mouse mAb diluted at 1:2,000.



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