

## P44/42 MAPK(ERK1/2) Mouse Monoclonal Antibody(1H4)

Catalog TDY645C TDY645F

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Quantity 50μL 100μL

Entrez-Gene ID#5594/5595 , Swiss-Prot Acc.#P27361/P28482

**For research use only.**

Applications	Species Cross-Reactivity	Molecular Weight	Isotype
WB,IHC	H,R,M	~44/42KD	IgG1

**Storage Buffer & Condition:** PBS, pH 7.4, containing 0.02% **sodium azide** as Preservative and 50% Glycerol.  
Store at **-20°C. Do not aliquot the antibody.**

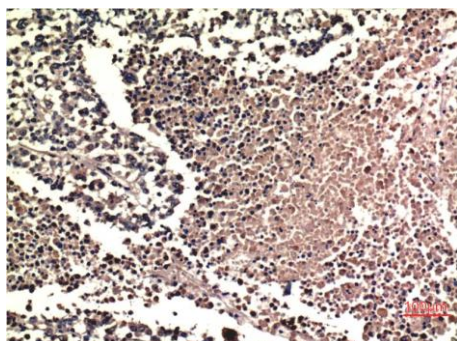
**Recommended dilutions:** WB: 1:1,000-2,000 IHC: 1:100-200

**Optimal dilutions should be determined by the end user.**

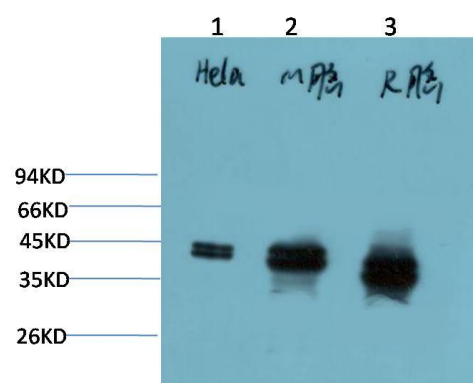
**Specificity:** Antibody can detects endogenous P44/42 MAPK(ERK1/2) protein.

**Alternative Names:** MAPK, Mitogen-activated protein Kinase, PRKM2,MK01

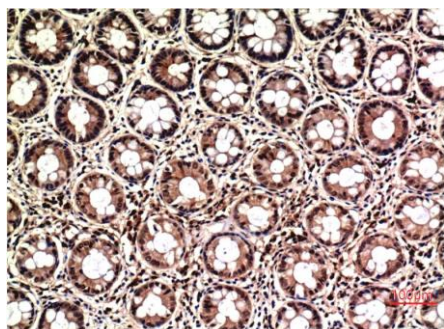
**Background:** Mitogen-activated protein kinases (MAPKs) are a widely conserved family of serine/threonine protein kinases involved in many cellular programs such as cell proliferation, differentiation, motility, and death. The p44/42 MAPK (Erk1/2) signaling pathway can be activated in response to a diverse range of extracellular stimuli including mitogens, growth factors, and cytokines and is an important target in the diagnosis and treatment of cancer.



Immunohistochemical analysis of paraffin-embedded Human Lung Carcinoma Tissue using ERK1/2 (TDY645) Mouse mAb diluted at 1:200.



Western blot analysis of 1) Hela Cell Lysate, 2) Mouse Brain Tissue Lysate, 3) Rat Brain Tissue Lysate using ERK1/2 (TDY645) Mouse mAb diluted at 1:2000.



Immunohistochemical analysis of paraffin-embedded Human Colon Carcinoma Tissue using ERK1/2 (TDY645) Mouse mAb diluted at 1:200.

**Applications:** WB-Western blot IHC-Immunochemistry IF-Immunofluorescence IP-Immunoprecipitation ChIP-Chormatin Immunoprecipitation  
**Reactivity:** H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish