

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

Catalog TDY491C TDY491F

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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.**

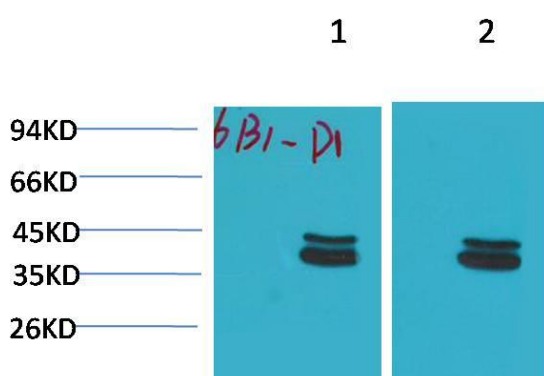
Recommended dilutions: WB: 1:1,000-2,000 IHC: 1:100-200

Optimal dilutions should be determined by the end user.

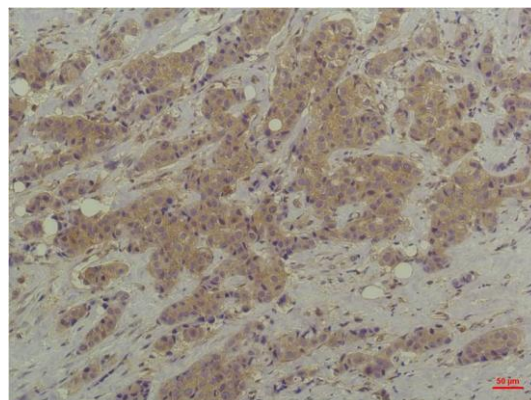
Specificity: Antibody can detects endogenous P44/42 MAPK(ERK1/2) protein.

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.



Western blot analysis of 1)Mouse Brain Tissue, 2) Rat Brain Tissue with P44/42 MAPK(ERK1/2) Mouse mAb TDY491 diluted at 1:2,000.



Immunohistochemical analysis of paraffin-embedded Human Breast Carcinoma using P44/42 MAPK (ERK1/2) (TDY491)Mouse mAb diluted at 1:200.