

P44 MAPK(ERK1) Mouse Monoclonal Antibody(4G11)

Catalog TDY644C TDY644F

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Quantity 50μL 100μL

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

For research use only.

Applications	Species Cross-Reactivity	Molecular Weight	Isotype
IHC	H,R,M	~44KD	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.**

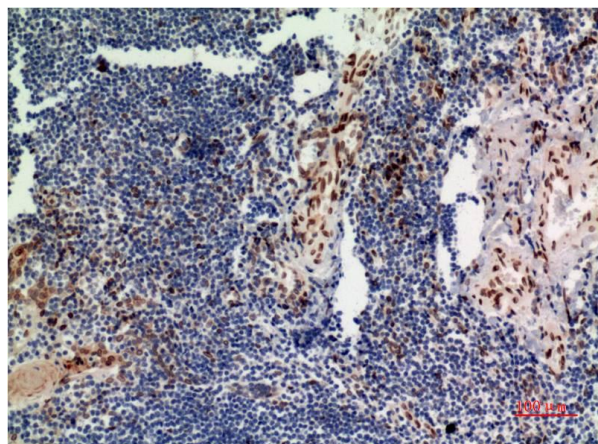
Recommended dilutions: IHC: 1:100-200

Optimal dilutions should be determined by the end user.

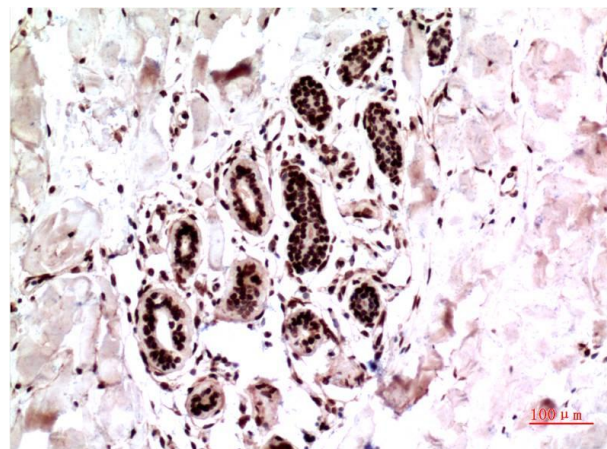
Specificity: Antibody can detects endogenous P44 MAPK(ERK1) protein.

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 Tonsil Tissue using ERK1 (TDY644) Mouse mAb diluted at 1:200.



Immunohistochemical analysis of paraffin-embedded Human Breast Carcinoma Tissue using ERK1 (TDY644) Mouse mAb diluted at 1:200.