

ERK2 Rabbit mAb

Catalog # AP74940

Product Information

Application	WB, IHC-P, FC
Primary Accession	P28482
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	41 KDa

Additional Information

Other Names	MAPK1
Dilution	WB~~1:500-1:1000 IHC-P~~N/A FC~~1:200-1:1000
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

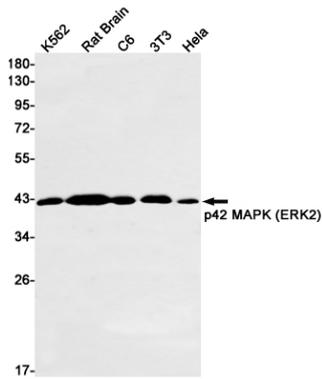
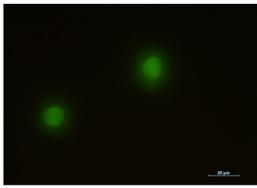
Protein Information

Background

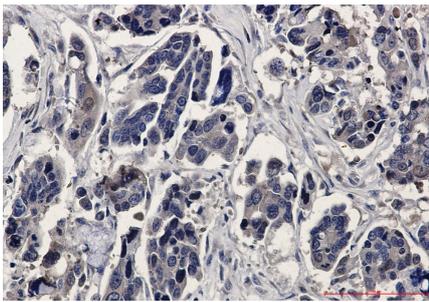
Act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. The activation of ERK2 requires its phosphorylation by upstream kinases. ERK2 is located in the cytoplasm of resting cells and translocates into the nucleus upon extracellular stimuli by active transport of a dimer. ERK2 is essential for placental development and ERK2 in the trophoblast compartment may be indispensable for the vascularization of the labyrinth.

Images

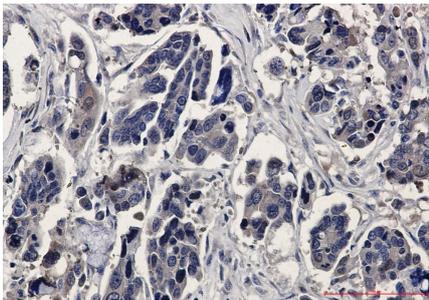
Immunocytochemistry analysis of ERK2 (green) in K562 using ERK2 antibody, and DAPI(blue).



Western blot analysis of ERK2 in K562, rat Brain, C6, 3T3, HeLa lysates using ERK2 antibody.



Immunohistochemistry analysis of paraffin-embedded Human Cholangiocarcinoma using ERK2 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



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