

Product Name: ERK2 Rabbit Polyclonal Antibody
Catalog #: APRab00006



Summary

Production Name	ERK2 Rabbit Polyclonal Antibody
Description	Primary antibody
Host	Rabbit
Application	WB,IHC-P,ICC/IF,FC,IP
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification	Affinity Chromatography

Immunogen

Gene Name	MAPK1
Alternative Names	ERK; p38; p40; p41; ERT1; MAPK2; PRKM1; P42MAPK; p41mapk; MAPK
Gene ID	5594
SwissProt ID	P28482

Application

Dilution Ratio	WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 IP: 1/20 FC: 1/50-1/100
Molecular Weight	Calculated MW: 41 kDa; Observed MW: 41 kDa

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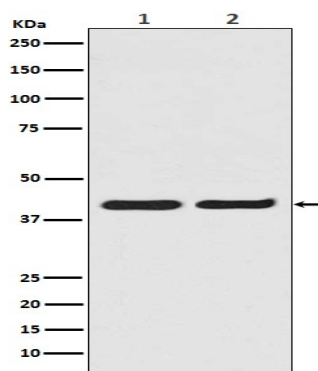
Background

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.

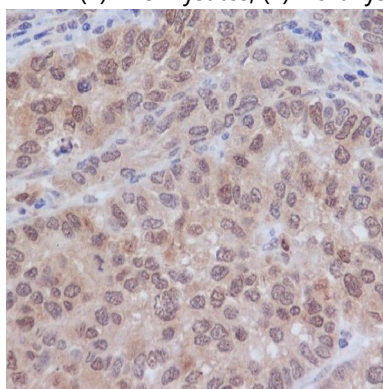
Research Area

Neuroscience

Image Data



Western blot analysis of ERK2 in (1) A431 lysates; (2) HeLa lysates using ERK2 antibody.



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

Note

For research use only.