

Product Name: ERK2 Rabbit Monoclonal Antibody**Catalog #: AMRe85207**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,ICC,IP
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.62mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in TBS with 0.05% sodium azide,0.05%protective protein and 50% glycerol.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100,ICC 1:50-1:200,IP 1:10-1:20
Molecular Weight	Calculated MW: 41 kDa; Observed MW: 41 kDa

Antigen Information

Gene Name	ERK2
Alternative Names	ERK; p38; p40; p41; ERT1; MAPK2; PRKM1; P42MAPK; p41mapk; MAPK
Gene ID	5594.0
SwissProt ID	P28482
Immunogen	A synthetic peptide of human ERK2

Background

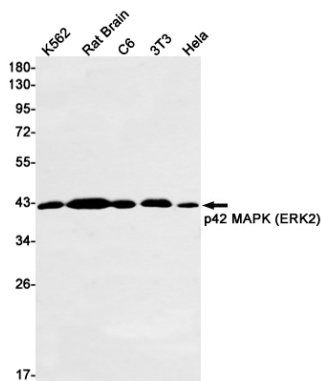
Act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. The activation of ERK2 requires its phosphorylation by upstream kinases. ERK2 is located in the cytoplasm 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

Apoptosis, TGF-beta signaling pathway, PI3K-Akt signaling pathway, MAPK signaling pathway, Jak-STAT signaling pathway

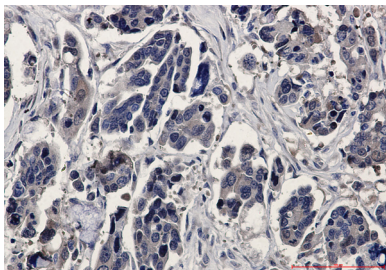
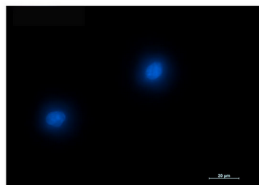
Image Data



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



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



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