Anti-ERK2 Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P012632

Product Information

Application	ICC/IF, IP, FC, ELISA, WB, IHC-P
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:100; IF 1:50~1:200; IP 1:20; FC 1:50~1:100
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human ERK2
Format	Buffer System: Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Purification: Affinity Chromatography
Storage	Shipped on wet ice. Store at 20℃. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20℃ storage.
Precautions	Anti-ERK2 antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	ERK2, PRKM1, PRKM2, Mitogen-activated protein kinase 1, MAP kinase 1, MAPK 1, ERT1, ERT1, Extracellular signal-regulated kinase 2 (ERK-2), MAP kinase isoform p42 (p42-MAPK), Mitogen-activated protein kinase 2 (MAP kinase 2, MAPK 2), MAPK1.
Calculated MW	Calculated MW: 41 kDa; Observed MW: 41 kDa
Primary Accession	P28482
Gene ID	5594
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.
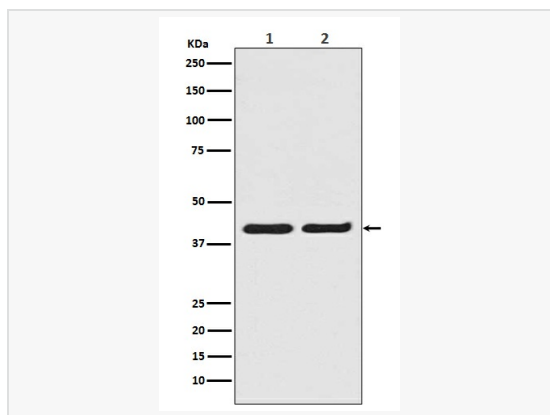
Western blot analysis of ERK2 in (1) A431 lysates; (2) HeLa lysates using ERK2 antibody.
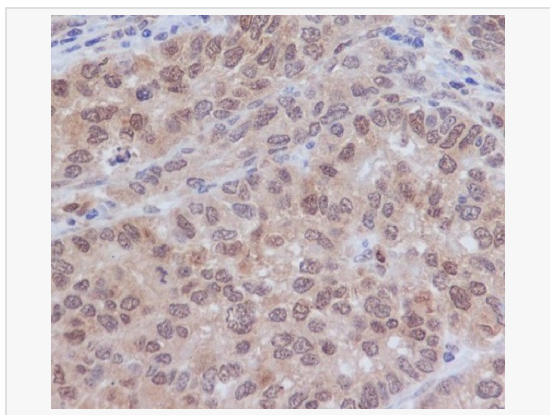
Immunohistochemistry analysis of paraffin-embedded Human gastric adenocarcinoma using ERK2 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.