Anti-ERK1/2 Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P011984

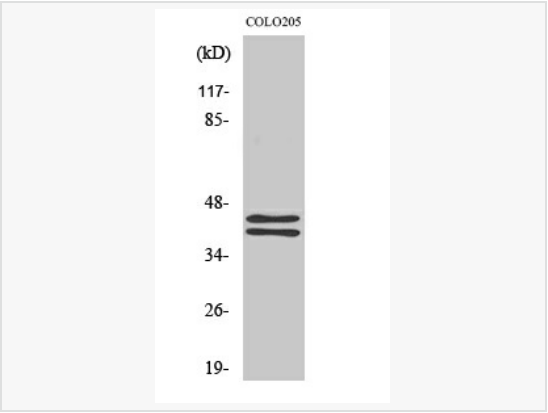
Product Information

Application	ELISA, ICC/IF (Cell), WB, IHC-P/IF (Tissue-P), IHC-F/IF (Tissue-F)
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:100; IF 1:50~1:200; ELISA 1:10,000
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	The antiserum was produced against synthesized peptide derived from human p44/42 MAPK.
Format	Buffer System: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-ERK1/2 antibody is for research use only and not for use in diagnostic or therapeutic procedures.

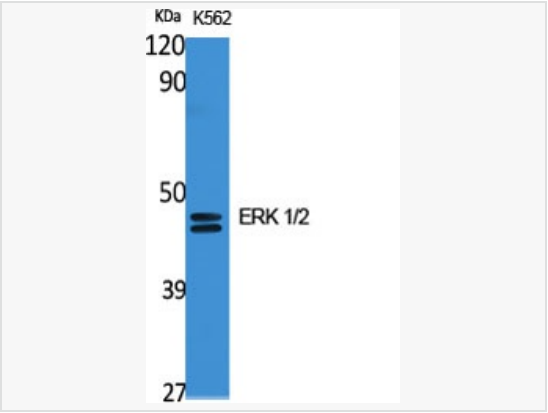
Protein Information

Synonyms	ERK 1, ERK 2, ERK-1, ERK-2, ERK1, erk1/2, ERK2, ERT1, ERT2, Extracellular signal regulated kinase 1, Extracellular signal-regulated kinase 1, Extracellular signal-regulated kinase 2, HS44KDAP, HUMKER1A, Insulin-stimulated MAP2 kinase, MAP kinase 1, MAP kinase 2, MAP kinase 3, MAP kinase isoform p42, MAP kinase isoform p44, MAPK 1, MAPK 2, MAPK 3, Mapk1, MAPK2, MAPK3, Microtubule-associated protein 2 kinase, Mitogen-activated protein kinase 1, Mitogen-activated protein kinase 2, Mitogen-activated protein kinase 3, MK01_HUMAN, p41mapk, p42-MAPK, P42MAPK, p44-ERK1, p44-MAPK, p44ERK1, p44MAPK, PRKM 2, PRKM1, PRKM2, PRKM3, protein tyrosine kinase ERK2.
Calculated MW	Calculated MW: 42,44 kDa; Observed MW: 42,44 kDa
Uniprot ID	P27361, P28482
Gene ID	5595/5594
Background	Serine/threonine kinase which acts as an essential component of the MAP kinase signal transduction pathway. MAPK1/ERK2 and MAPK3/ERK1 are the 2 MAPKs which play an important role in the MAPK/ERK cascade. They participate also in a signaling cascade initiated by activated KIT and KITLG/SCF. Depending on the cellular context, the MAPK/ERK cascade mediates diverse biological functions such as cell growth, adhesion, survival and differentiation through the regulation of transcription, translation, cytoskeletal rearrangements.

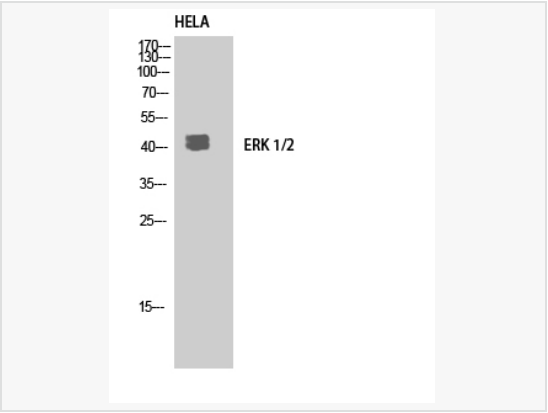
Validation Images



Western blot analysis of ERK1/2 in COLO205 lysates using ERK1/2 antibody.



Western blot analysis of ERK1/2 in K562 lysates using ERK 1/2 antibody.



Western blot analysis of ERK1/2 in HELA lysates using ERK 1/2 antibody.