Product Name: ERK1/2 Rabbit Monoclonal antibody
Catalog #: AMRe03741
For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,ICC/IF,IP
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal Antibody
Form	Liquid
Concentration	0.68mg/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	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Purification	Affinity Purified

Application

Dilution Ratio	WB 1:500-1:1000,ICC/IF 1:50-1:200,IP 1:20-1:50
Molecular Weight	Calculated MW: 44,42 kDa; Observed MW: 44,42 kDa

Antigen Information

Gene Name	MAPK3/MAPK1
Alternative Names	MAPK3; ERK1; ERT2; ERK-1; PRKM3; P44ERK1; P44MAPK; HS44KDAP; HUMKER1A; p44-ERK1; p44-MAPK; MAPK1; ERK; p38; p40; p41; ERK2; ERT1; ERK-2; MAPK2; PRKM1; PRKM2; P42MAPK; p41mapk; p42-MAPK.
Gene ID	5595/5594
SwissProt ID	P27361/P28482
Immunogen	

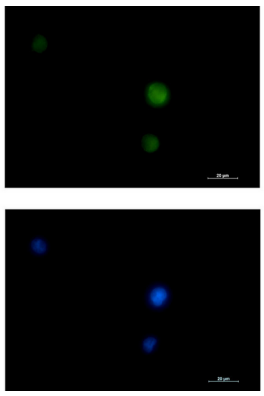
Background

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.

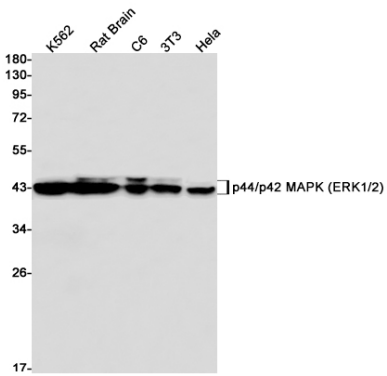
Research Area

Cell Biology

Image Data



Immunocytochemistry analysis of ERK1/2 (green) in K562 using ERK1/2 antibody,and DAPI(blue).



Western blot analysis of p42 MAPK (ERK2) in K562, rat Brain, C6, 3T3, Hela lysates using p42 MAPK (ERK2) antibody.