Product Name: **Phospho-ERK1/2 (Thr202/Tyr204)/(Thr185/Tyr187) Rabbit Monoclonal Antibody**

Catalog #: **AMRe84925**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IP
Reactivity	Human,Rat
Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.5mg/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,IP 1:10-1:20
Molecular Weight	Calculated MW: 44,42 kDa; Observed MW: 44,42 kDa

Antigen Information

Gene Name	Phospho-ERK1/2 (Thr202/Tyr204)/(Thr185/Tyr187)
Alternative Names	MAPK1/MAPK3
Gene ID	5595/5594
SwissProt ID	P27361/P28482
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Thr202/Tyr204 of human Erk1

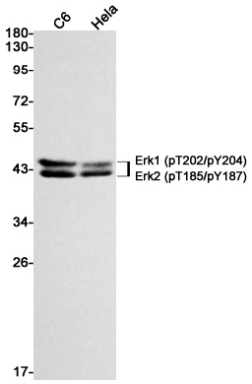
Background

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

Image Data



Western blot analysis of Erk1 (pT202/pY204)/Erk2 (pT185/pY187) in C6, Hela lysates using Phospho-ERK1/2 (Thr202/Tyr204)/(Thr185/Tyr187) antibody.