

Product Name: ERK1/2 Mouse Monoclonal Antibody**Catalog #: AMM85038**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide,0.5%protective protein and 50% glycerol.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100
Molecular Weight	Calculated MW: 44,42 kDa; Observed MW: 44,42 kDa

Antigen Information

Gene Name	ERK1/2 MAPK3; ERK1; ERT2; ERK-1; PRKM3; P44ERK1; P44MAPK; HS44KDAP; HUMKER1A; p44-ERK1;
Alternative Names	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	Synthetic peptide conjugated to KLH.

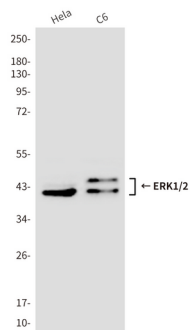
Background

Serine/threonine kinase which acts as an essential component of the MAP kinase signal transduction pathway. MAPK1/ERK2

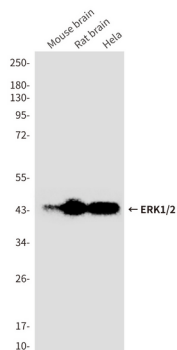
and MAPK3/ERK1 are the 2 MAPKs which play an important role in the MAPK/ERK cascade. They participate also in a signaling cascade initiated by activated KIT and KITLG/SCF. Depending on the cellular context, the MAPK/ERK cascade mediates diverse biological functions such as cell growth, adhesion, survival and differentiation through the regulation of transcription, translation, cytoskeletal rearrangements.

Research Area

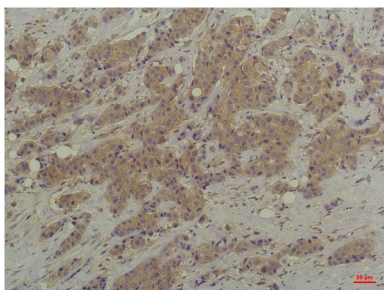
Image Data



Western blot analysis of ERK1/2 in HeLa, C6 lysates using ERK1/2 antibody



Western blot analysis of ERK1/2 in mouse brain, rat brain, HeLa lysates using ERK1/2 antibody



Immunohistochemistry analysis of paraffin-embedded Human Breast Carcinoma using ERK1/2 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.