Product Datasheet

ERK1/2 Rabbit mAb

Catalog No: #56077

Package Size: #56077-1 50ul #56077-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	ERK1/2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB ICC/IF
Species Reactivity	Human;Mouse;Rat
Specificity	ERK1/2 Antibody detects endogenous levels of total ERK1/2
Immunogen Description	A synthesized peptide derived from human ERK1/2
Conjugates	Unconjugated
Other Names	ERK-1, Insulin-stimulated MAP2 kinase, MAP kinase 1, MAPK 1, p44-ERK1, ERT2, p44-MAPK, ERK-1,
Accession No.	Uniprot:P27361/P28482
Calculated MW	41,43kDa
SDS-PAGE MW	42,44kDa
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Application Details

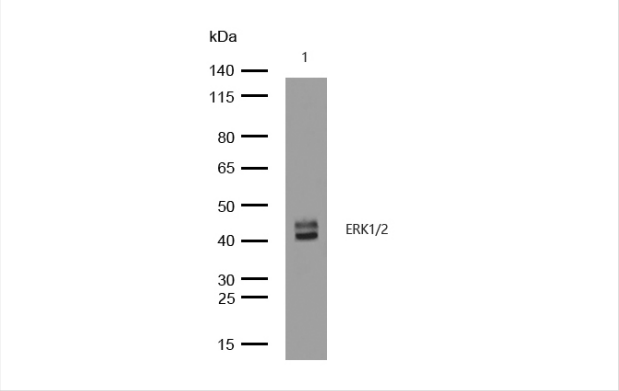
WB:1:500~1:2000

ICC/IF:1:50~1:200

IP:1:50

FC:1:200

Images



All lanes: ERK1/2 Rabbit mAb at 1/1k dilution

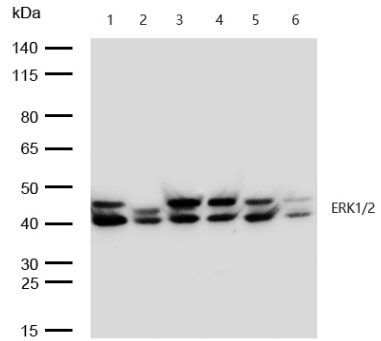
Lane 1 : HepG2 whole cell lysates

Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 41,43 kDa
Observed band size: 42,44 kDa

Exposure time: 6 seconds



All lanes: ERK1/2 Rabbit mAb at 1/1k dilution

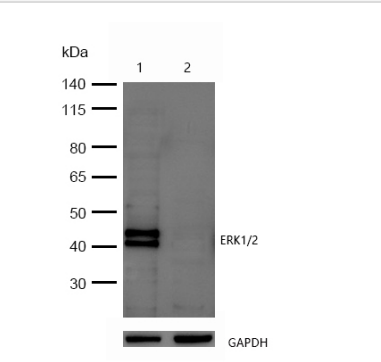
Lane 1 : Mouse brain lysates
Lane 2 : Mouse kidney lysatesLane 3 : Mouse lung lysatesLane 4 : Rat lung lysatesLane 5 : Rat spleen lysatesLane 6 : Rat liver lysates

Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 41,43 kDa
Observed band size: 42,44 kDa

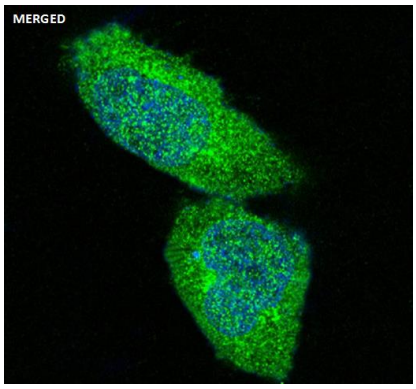
Exposure time: 5 seconds



All lanes:ERK1/2 Rabbit mAb at 1/1k dilution

Lane 1 : Wild-type Hela cell lysate
Lane 2 : ERK1/2 knockdown Hela cell lysate

Lysates/proteins at 20 µg per lane.



Immunocytochemistry/ Immunofluorescence ERK1/2 antibody (56077) ICC/IF staining of ERK1/2 in Hela cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100.

Samples were incubated with 56077 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 488 goat anti rabbit, used at a dilution of 1/500.

Nuclei were counterstained with DAPI.

Product Description

ERK1 p42 MAP kinase plays a critical role in the regulation of cell growth and differentiation. Activated by a wide variety of extracellular signals including growth and neurotrophic factors, cytokines, hormones and neurotransmitters.ERK2 p44 MAP kinase plays a critical role in the regulation of cell growth and differentiation. Acts as an integration point for multiple biochemical signals, and is involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.