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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-ERK1/2 MAPK3 Rabbit Monoclonal Antibody

Catalog Number: M00104-1

About MAPK3

Phosphoinositide-3-kinase (PI3K) that phosphorylates PtdIns (Phosphatidylinositol), PtdIns4P (Phosphatidylinositol 4-phosphate) and PtdIns (4,5) P2 (Phosphatidylinositol 4,5-bisphosphate) to generate phosphatidylinositol 3,4,5-trisphosphate (PIP3) . PIP3 plays a key role by recruiting PH domain-containing proteins to the membrane, including AKT1 and PDPK1, activating signaling cascades involved in cell growth, survival, proliferation, motility and morphology. Participates in cellular signaling in response to various growth factors.

Overview

Product Name	Anti-ERK1/2 MAPK3 Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-ERK1/2 MAPK3 Rabbit Monoclonal Antibody catalog # M00104-1. Tested in WB, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IP, IF, ICC, WB
Clonality	Monoclonal DFF-13
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P27361/P28482

Technical Details

Immunogen	A synthesized peptide derived from human ERK1/2
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows:

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	Boster Bio's internal QC testing used: WB 1:500-1:2000 ICC/IF 1:50-1:200 IP 1:50 FC 1:200

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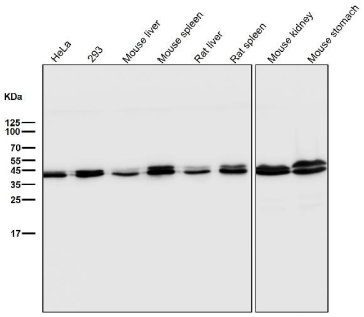
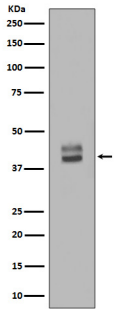
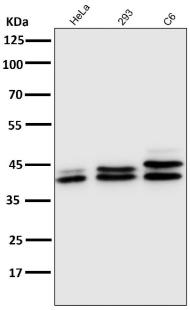
Anti-ERK1/2 MAPK3 Rabbit Monoclonal Antibody (M00104-1) Images



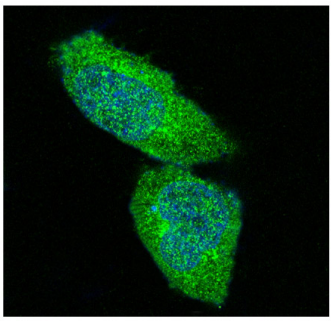
All lanes use the Antibody at 1:1W dilution for 1 hour at room temperature.



Western blot analysis of ERK1/2 Antibody expression in HepG2 whole cell lysates.



All lanes use the Antibody at 1:2W dilution for 1 hour at room temperature.



Immunofluorescent analysis of Hela cells, using ERK1/2 Antibody.

All lanes use the Antibody at 1:2W dilution for 1 hour at room temperature.

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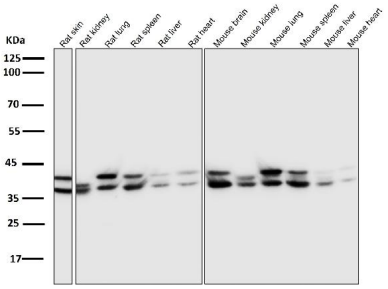

13 Publications Citing This Product

1. PubMed ID: 10.26355/eurrev_201812_16641, CXCL13 inhibition induce the apoptosis of MDA-MB-231 breast cancer cells through blocking CXCR5/ERK signaling pathway.

2. PubMed ID: -, Huanyue Cui,Xueying Liu,Jin Zhang,Ke Zhang,Dahong Yao,Shi Dong,Shushu Feng,Lu Yang, Yuyao Li,Hangyu Wang,Jian Huang,Jinhui Wang,"Rhodiola rosea L. Attenuates Cigarette Smoke and Lipopolysaccharide-Induced COPD in Rats via Inflammation Inhibition and Antioxidant and Antifibrosis Pathways",Evidence-Based Complementary and Alternative Medicine,vol. 2021,Article ID 6103158,18 pages,2021.https://doi.org/10.1155/2021/6103158

3. PubMed ID: -, Feng,S.,Wang,S.,Sun,S.,Su,H.,& Zhang,L.(2021).Effects of combination treatment with transcranial magnetic stimulation and bone marrow mesenchymal stem cell transplantation or Raf inhibition on spinal cord injury in rats.Molecular Medicine Reports,23,294.h

Visit bosterbio.com/anti-erk1-2-rabbit-monoclonal-antibody-m00104-1-boster.html to see all 13 publications.

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