BOSTER
antibody and ELISA experts

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

Anti-MEK1/2 MAP2K1 Rabbit Monoclonal Antibody

Catalog Number: M00292-1

Overview

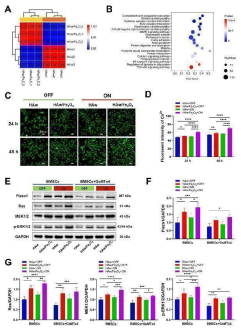
Product Name	Anti-MEK1/2 MAP2K1 Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-MEK1/2 MAP2K1 Rabbit Monoclonal Antibody catalog # M00292-1. Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human, Mouse, Rat.
Application	IP, IF, IHC, ICC, WB
Clonality	Monoclonal BOA-13
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
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	Q02750/P36507

Technical Details

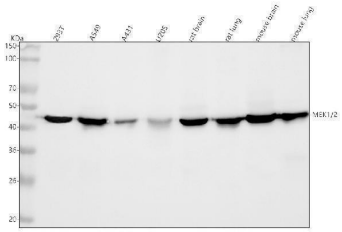
Immunogen	A synthesized peptide derived from human MEK1/2
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB 1:500-2000 IHC 1:50-200 ICC/IF 1:50-200 IP 1:20

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

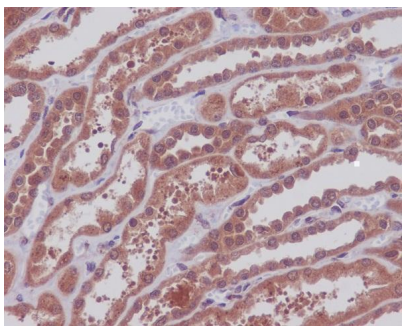
Anti-MEK1/2 MAP2K1 Rabbit Monoclonal Antibody (M00292-1) Images



Bioinformatic and mechanistic analysis of BMSCs differentiation with HAw and the magnetic HAw/Fe3O4 under the activation of an MF. A) Heatmap of Pearson correlation between BMSCs co-cultured with HAw and the magnetic HAw/Fe3O4 in the MF. B) Enriched KEGG pathways of HAw versus the magnetic HAw/Fe3O4 under MF stimulation. C) Fluorescence and D) the fluorescent intensity values of the intracellular Ca2+ with BMSCs cultured on HAw and the magnetic HAw/Fe3O4 via different MF patterns (“OFF” and “ON”) for 24 and 48 h (n = 4). E) Western blot analysis and F) the corresponding quantification of Piezo1 and G) MAPK pathway-related proteins with/without inhibitor (GsMTx4) of Piezo1 via different MF patterns for 7 days (n = 3). *p < 0.05; **p < 0.01, ***p < 0.001, and ****p < 0.0001.Index in PubMed under a CC BY license. PMID: 40788056



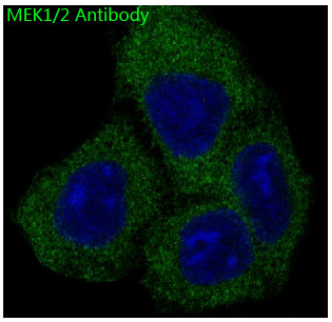
Western blot analysis of MEK1-2 using anti-MEK1-2 antibody (M00292-1). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human 293T whole cell lysates, Lane 2: human A549 whole cell lysates, Lane 3: human A431 whole cell lysates, Lane 4: human U2OS whole cell lysates, Lane 5: rat brain tissue lysates, Lane 6: rat lung tissue lysates, Lane 7: mouse brain tissue lysates, Lane 8: mouse lung tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-MEK1-2 antigen affinity purified monoclonal antibody (Catalog # M00292-1) at 1:5000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for MEK1-2 at approximately 43 kDa. The expected band size for MEK1-2 is at 43 kDa.



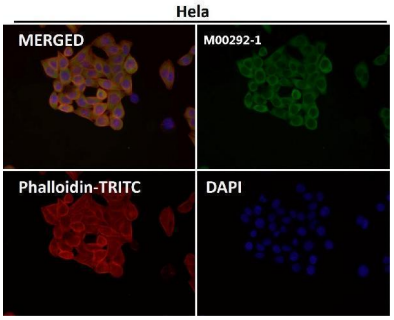
Immunohistochemical analysis of paraffin-embedded human kidney, using MEK1/2 Antibody.

Immunofluorescent analysis of Hela cells, using MEK1/2

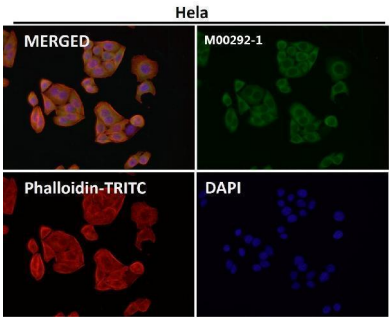
BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com



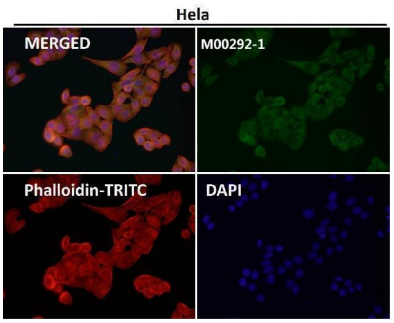
Antibody .



Immunofluorescent analysis using the Antibody at 1:50 dilution.



Immunofluorescent analysis using the Antibody at 1:150 dilution.



Immunofluorescent analysis using the Antibody at 1:500 dilution.

Anti-MEK1/2 MAP2K1 Rabbit Monoclonal Antibody

For Research Use Only. Not for use in diagnostic procedures.