10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-MEK1/2 MAP2K1 Rabbit Monoclonal Antibody

Catalog # ABO13820

Specification

Anti-MEK1/2 MAP2K1 Rabbit Monoclonal Antibody - Product Information

Application	**WB, IHC, IF, ICC, IP**
Primary Accession	Q02750/P36507
Host	**Rabbit**
Isotype	**Rabbit IgG**
Reactivity	**Rat, Human, Mouse**
Clonality	**Monoclonal**
Format	**Liquid**

Description
Anti-MEK1/2 MAP2K1 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human, Mouse, Rat.

Anti-MEK1/2 MAP2K1 Rabbit Monoclonal Antibody - Additional Information

Calculated MW
43439 MW KDa

Application Details
WB 1:5000-1:10000
IHC 1:100-1:500
ICC/IF 1:50-1:100
IP 1:50-1:100

Subcellular Localization
Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, microtubule organizing center, spindle pole body. Cytoplasm. Nucleus. Localizes at centrosomes during prometaphase, midzone during anaphase and midbody during telophase/cytokinesis.

Tissue Specificity
Widely expressed, with extremely low levels in brain..

Contents
Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen
A synthesized peptide derived from human MEK1/2

Purification
Affinity-chromatography

Storage	**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.**

Anti-MEK1/2 MAP2K1 Rabbit Monoclonal Antibody - Protein Information

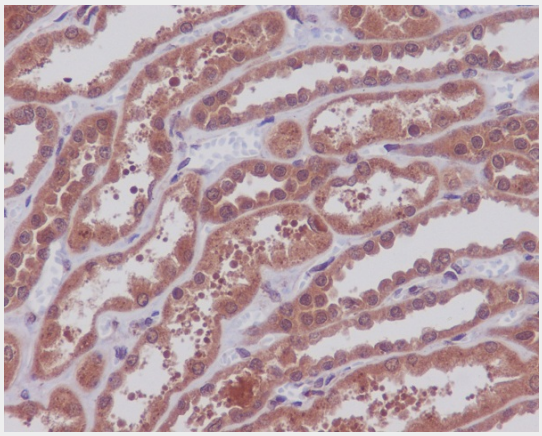
10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-MEK1/2 MAP2K1 Rabbit Monoclonal Antibody - Protocols

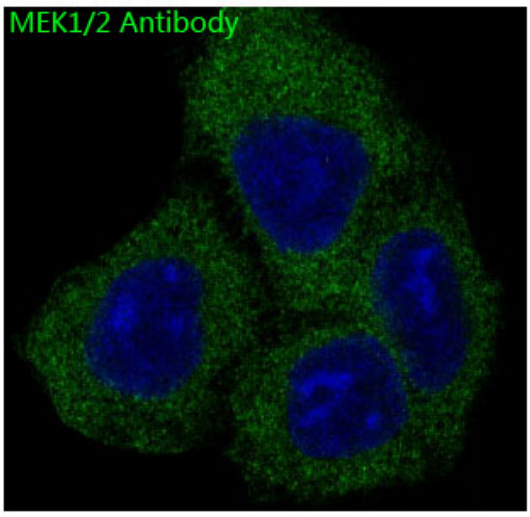
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-MEK1/2 MAP2K1 Rabbit Monoclonal Antibody - Images

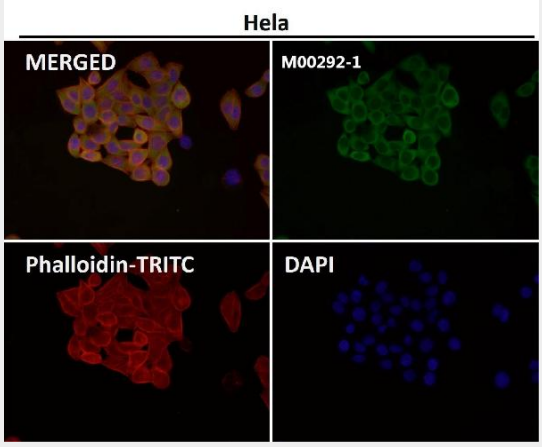


Immunohistochemical analysis of paraffin-embedded human kidney, using MEK1/2 Antibody.

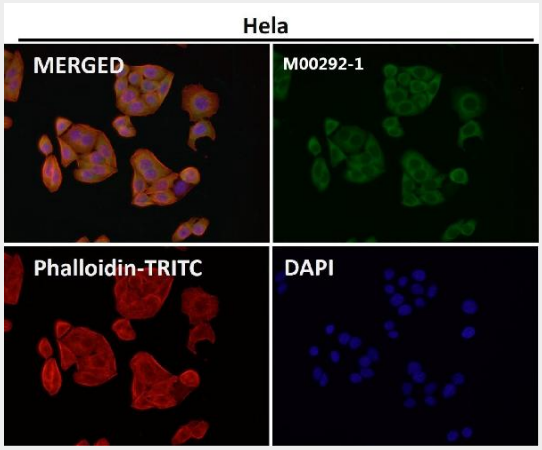


Immunofluorescent analysis of Hela cells, using MEK1/2 Antibody .

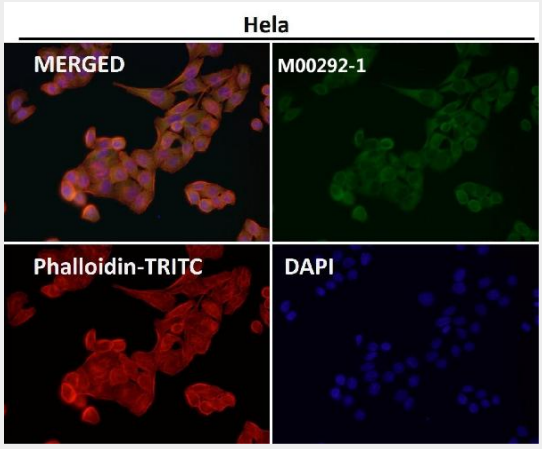
10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



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.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

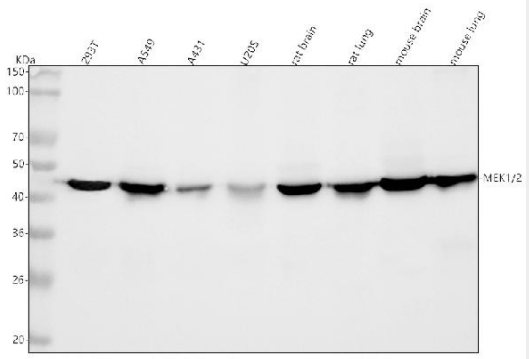


Figure 1. Western blot analysis of MEK1-2 using anti-MEK1-2 antibody (M00292-1).
Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human 293T 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.