

## MEK1/2 Rabbit mAb

Catalog No: #48648

Package Size: #48648-1 50ul #48648-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

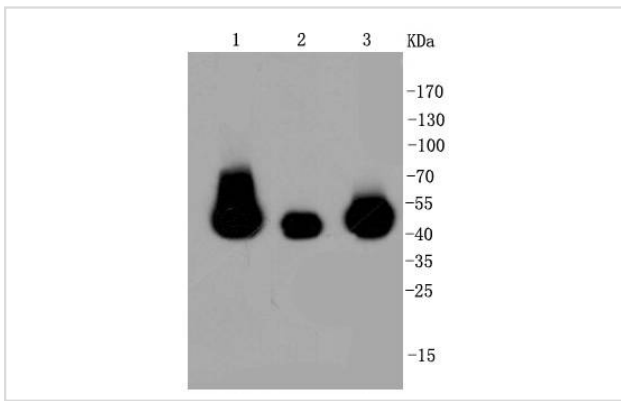
## Description

Product Name	MEK1/2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SR13-07
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP
Species Reactivity	Hu, Ms, Rt, zebrafish
Immunogen Description	recombinant protein
Other Names	AA589381 antibody CFC3 antibody Dual specificity mitogen-activated protein kinase kinase 1 antibody Dual specificity mitogen-activated protein kinase kinase 2 antibody EC 2.7.12.2 antibody ERK activator kinase 1 antibody ERK activator kinase 2 antibody FLJ26075 antibody MAP kinase kinase 1 antibody MAP kinase kinase 2 antibody MAP2K1 antibody MAP2K2 antibody MAPK/ERK kinase 1 antibody MAPK/ERK kinase 2 antibody MAPKK 1 antibody MAPKK1 antibody MAPKK2 antibody MEK 1 antibody MEK1 antibody MEKK1 antibody Mitogen activated protein kinase kinase 1 antibody Mitogen activated protein kinase kinase 2 antibody Mitogen-activated protein kinase kinase 2, p45 antibody MK2 antibody MKK 1 antibody MKK 2 antibody MKK1 antibody MKK2 antibody MP2K1_HUMAN antibody PRKMK 1 antibody PRKMK 2 antibody Prkmk1 antibody Prkmk2 antibody protein kinase, mitogen-activated, kinase 1 (MAP kinase kinase 1) antibody Protein kinase, mitogen-activated, kinase 1 antibody Protein kinase, mitogen-activated, kinase 2 antibody
Accession No.	Swiss-Prot#:P36507
Uniprot	P36507
GeneID	5605;
Calculated MW	44 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

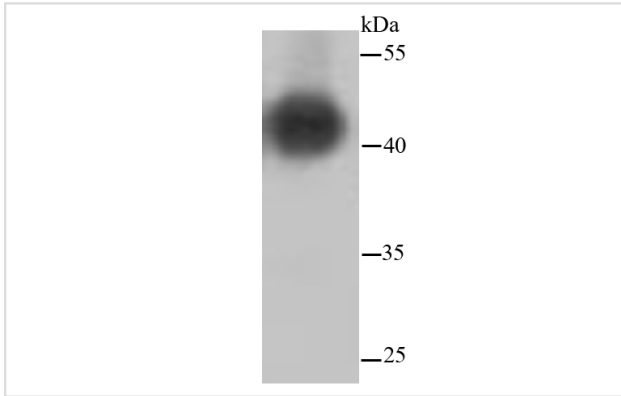
## Application Details

WB: 1:1,000-5,000IHC: 1:50-1:200ICC: 1:50-1:200

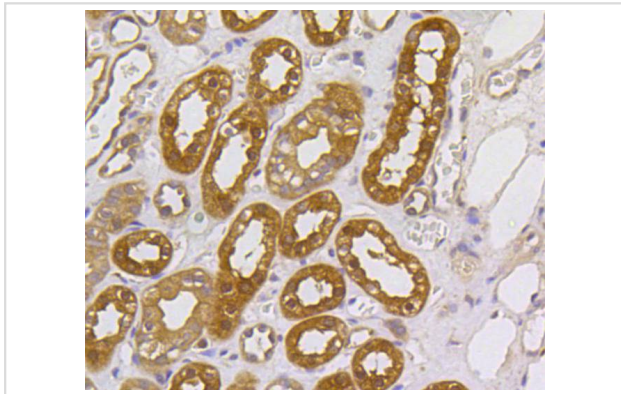
## Images



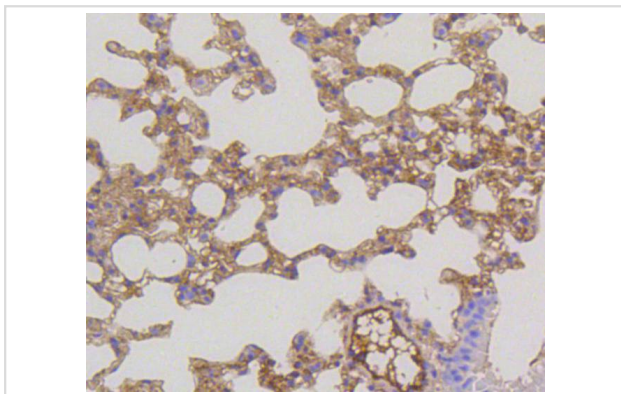
Western blot analysis of MEK1/2 on different cell lysates using anti-MEK1/2 antibody at 1/1,000 dilution. Positive control:  
Lane 1: HepG2    Lane 2: PC12 Lane 3: NIH/3T3



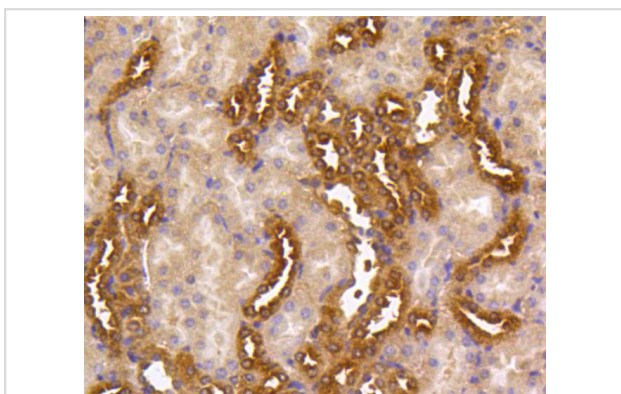
Western blot analysis of MEK1/2 on hybrid fish (crucian-carp) brain tissue lysates using anti-MEK1/2 antibody at 1/500 dilution.



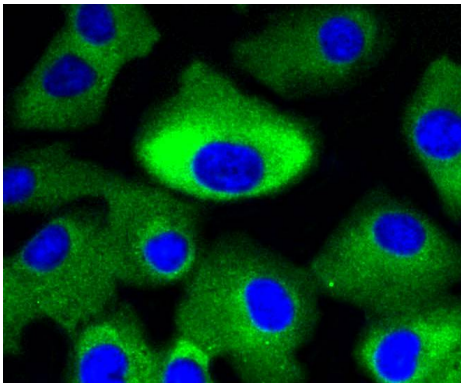
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-MEK1/2 antibody. Counter stained with hematoxylin.



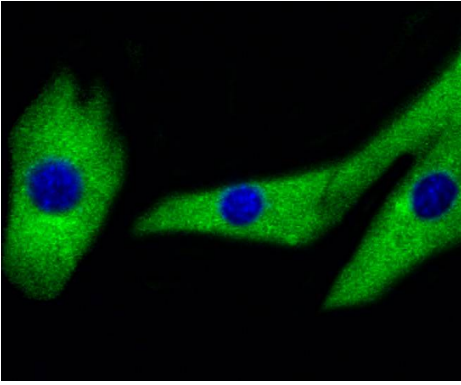
Immunohistochemical analysis of paraffin-embedded mouse lung tissue using anti-MEK1/2 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-MEK1/2 antibody. Counter stained with hematoxylin.



ICC staining MEK1/2 in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining MEK1/2 in NIH/3T3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

## Background

A family of protein kinases located upstream of the MAP kinases and responsible for their activation has been identified. The prototype member of this family, designated MAP kinase kinase, or MEK-1, specifically phosphorylates the MAP kinase regulatory threonine and tyrosine residues present in the Thr-Glu-Tyr motif of ERK. A second MEK family member, MEK-2, resembles MEK-1 in its substrate specificity. MEK-3 (or MKK-3) functions to activate p38 MAP kinase, and MEK-4 (also called SEK1 or MKK-4) activates both p38 and JNK MAP kinases. MEK-5 appears to specifically phosphorylate ERK5, whereas MEK-6 phosphorylates p38 and p38b. MEK-7 (or MKK-7) phosphorylates and activates the JNK signal transduction pathway.

## References

Note: This product is for in vitro research use only