MEK2 Rabbit mAb

Catalog No: #49172

Package Size: #49172-1 50ul #49172-2 100ul

Description

|	
Product Name	MEK2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SD207-08
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP, FC
Species Reactivity	Hu, Ms
Immunogen Description	recombinant protein
Other Names	Cardiofaciocutaneous syndrome antibody CFC syndrome antibody CFC4 antibody Dual specificity mitogen activated protein kinase kinase 2 antibody Dual specificity mitogen-activated protein kinase kinase 2 antibody ERK activator kinase 2 antibody FLJ26075 antibody MAP kinase kinase 2 antibody map2k2 antibody MAPK / ERK kinase 2 antibody MAPK/ERK kinase 2 antibody MAPKK 2 antibody MAPKK2 antibody MEK 2 antibody MEK2 antibody Microtubule associated protein kinase kinase 2 antibody Mitogen activated protein kinase kinase 2 antibody Mitogen activated protein kinase kinase 2 p45 antibody MKK 2 antibody MKK2 antibody MP2K2_HUMAN antibody OTTHUMP00000165826 antibody OTTHUMP00000165827 antibody PRKMK 2 antibody PRKMK2 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: 1:100-1:500   ICC: 1:100-1:500FC: 1:50-1:100
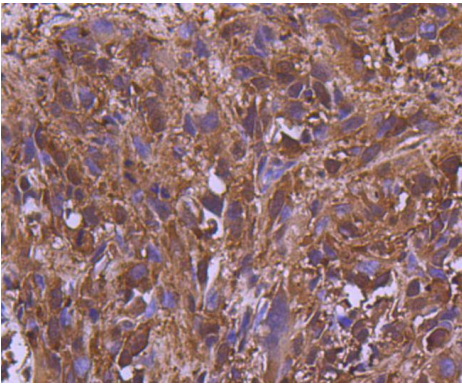
Images
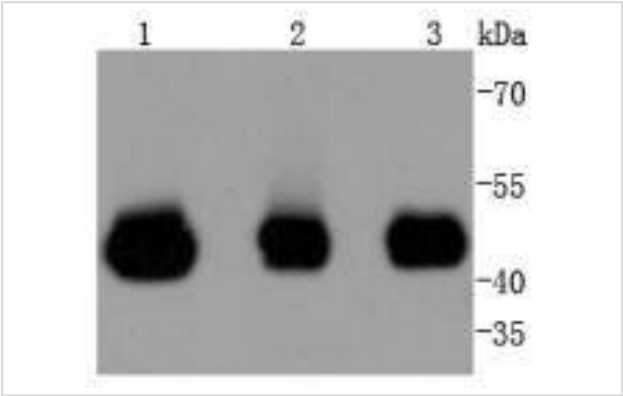
Western blot analysis of MEK2 on different lysates using anti-MEK2 antibody at 1/1,000 dilution. Positive control: Lane 1: Jurkat   Lane 2: Hela Lane 3: 293T
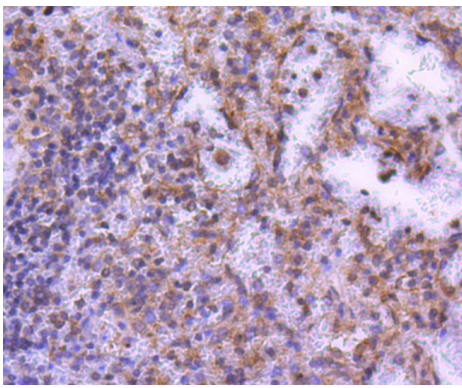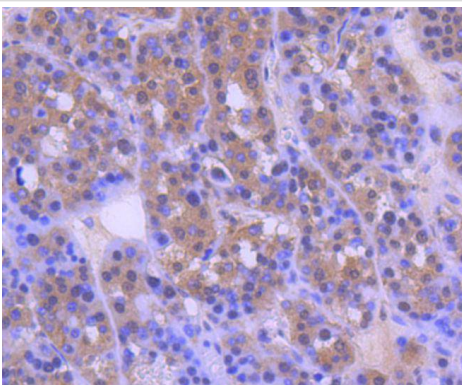
Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-MEK2 antibody. Counter stained with hematoxylin.


Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-MEK2 antibody. Counter stained with hematoxylin.
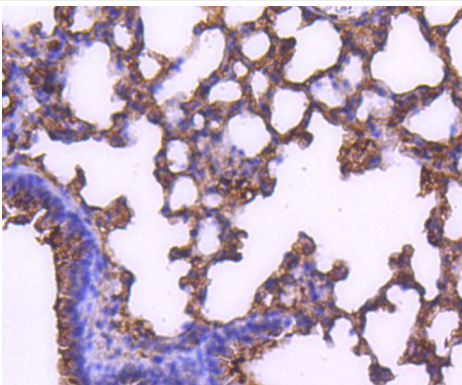

Immunohistochemical analysis of paraffin-embedded mouse lung tissue using anti-MEK2 antibody. Counter stained with hematoxylin.


Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-MEK2 antibody. Counter stained with hematoxylin.
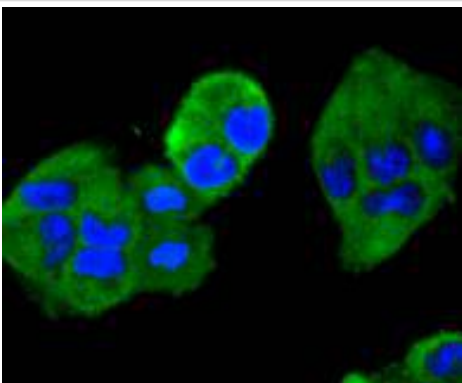

ICC staining MEK2 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
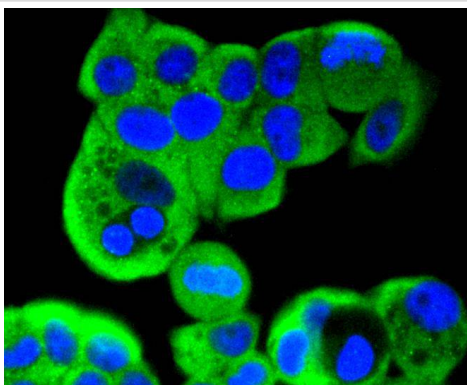
ICC staining MEK2 in NIH/3T3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
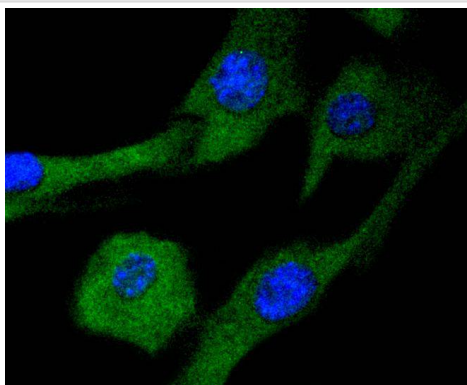
ICC staining MEK2 in NIH/3T3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
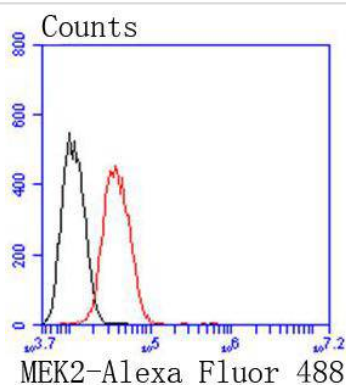
Flow cytometric analysis of Hela cells with MEK2 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

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