

MEK1 Rabbit mAb

Catalog No: #48682

Package Size: #48682-1 50ul #48682-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

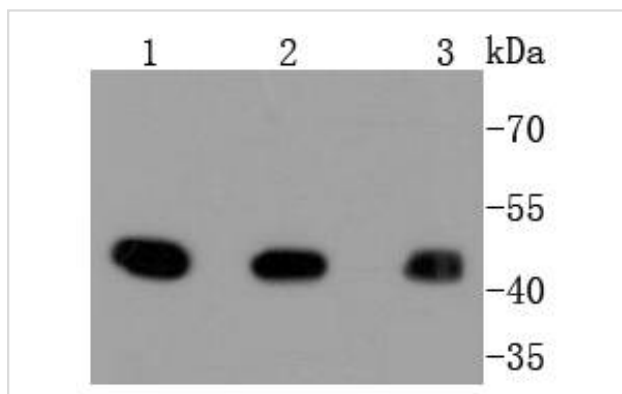
Description

Product Name	MEK1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SZ22-01
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP, FC
Species Reactivity	Hu, Ms, Rt, Cow, Dog
Immunogen Description	recombinant protein
Other Names	Dual specificity mitogen activated protein kinase kinase 1 antibody Dual specificity mitogen-activated protein kinase kinase 1 antibody ERK activator kinase 1 antibody MAP kinase kinase 1 antibody MAP kinase/Erk kinase 1 antibody MAP2K1 antibody MAPK/ERK kinase 1 antibody MAPKK 1 antibody MAPKK1 antibody MEK 1 antibody Mek1 antibody MEKK1 antibody Mitogen activated protein kinase kinase 1 antibody MKK 1 antibody MKK1 antibody MP2K1_HUMAN antibody PRKMK1 antibody Protein kinase mitogen activated kinase 1 (MAP kinase kinase 1) antibody Protein kinase mitogen activated, kinase 1 antibody
Accession No.	Swiss-Prot#:Q02750
Uniprot	Q02750
GeneID	5604;
Calculated MW	43 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

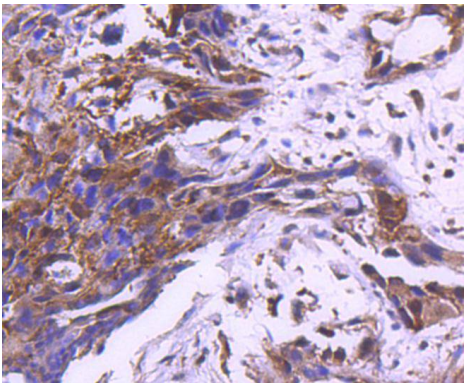
Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:50-1:100

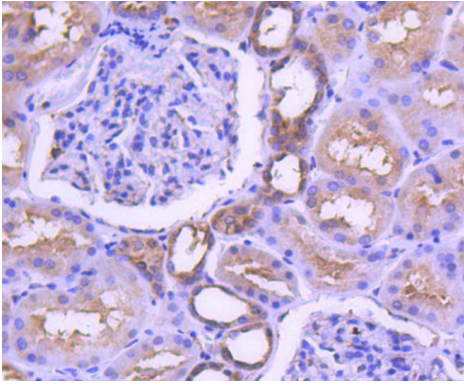
Images



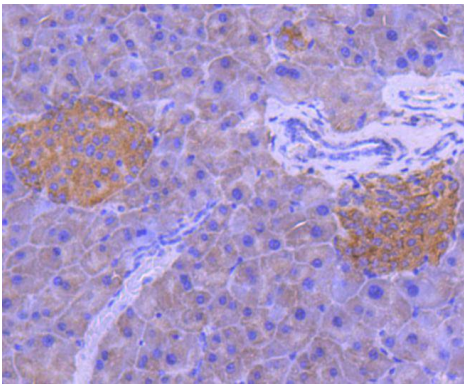
Western blot analysis of MEK1 on different lysates using anti-MEK1 antibody at 1/1,000 dilution. Positive control: Lane 1: A431 Lane 2: HepG2 Lane 3: Hela



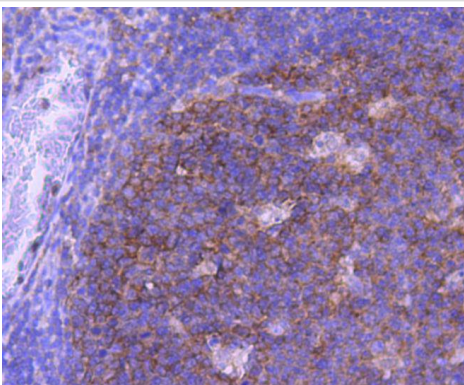
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-MEK1 antibody. Counter stained with hematoxylin.



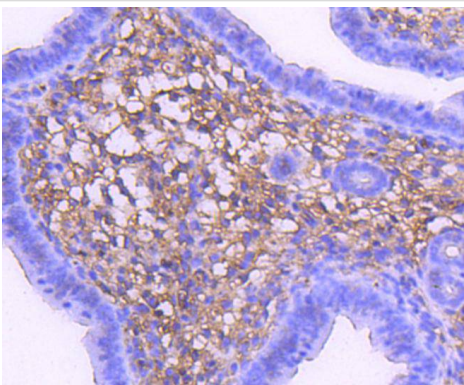
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-MEK1 antibody. Counter stained with hematoxylin.



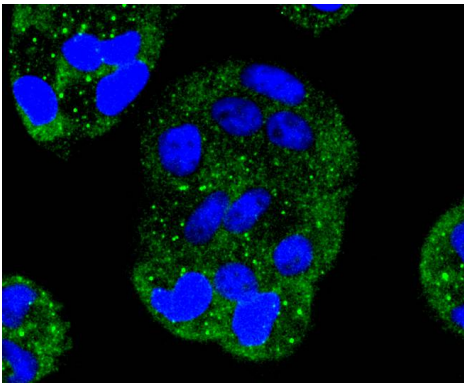
Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue using anti-MEK1 antibody. Counter stained with hematoxylin.



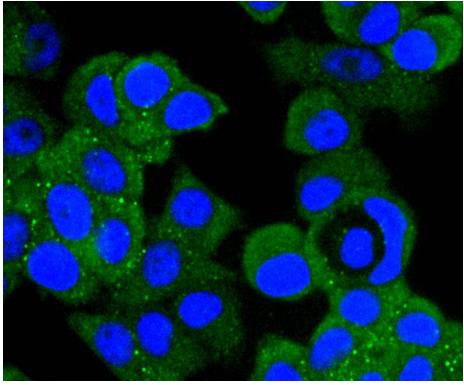
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-MEK1 antibody. Counter stained with hematoxylin.



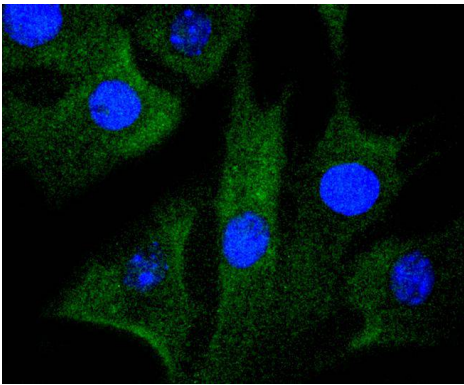
Immunohistochemical analysis of paraffin-embedded mouse uterus tissue using anti-MEK1 antibody. Counter stained with hematoxylin.



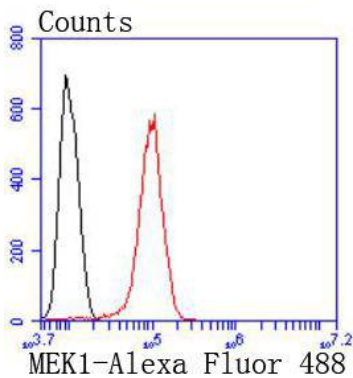
ICC staining MEK1 in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining MEK1 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining MEK1 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 MEK1 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