Product Datasheet

Phospho-MEK1 (S298) Rabbit mAb

Catalog No: #13407

Package Size: #13407-1 50ul #13407-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

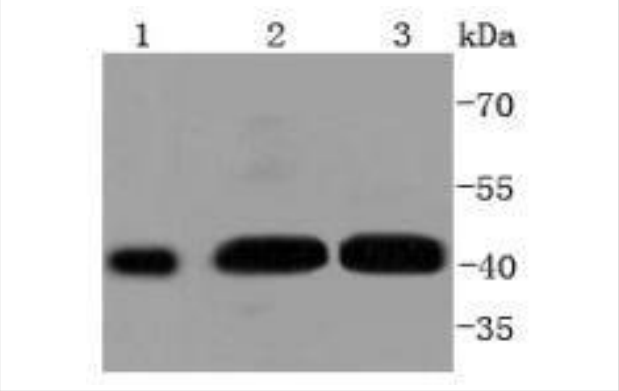
Description

Product Name	Phospho-MEK1 (S298) Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Clone No.	SD206-7
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Synthetic phospho-peptide corresponding to residues surrounding Ser298 of human MEK1.
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

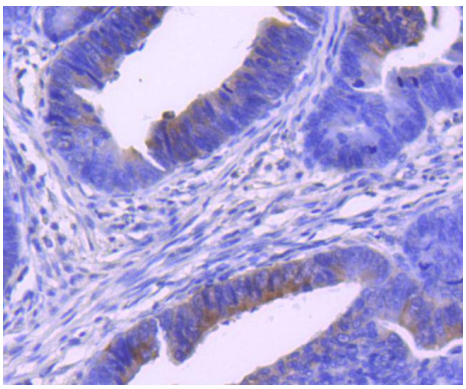
Application Details

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

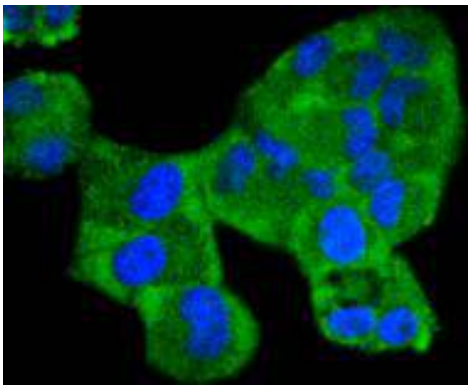
Images



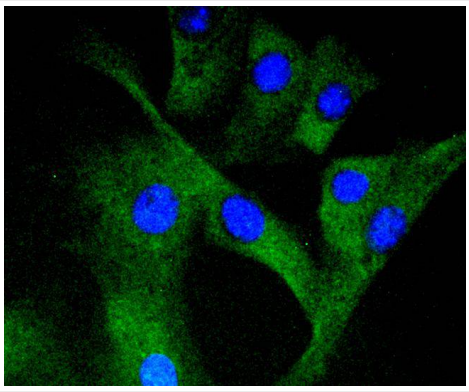
Western blot analysis of Phospho-MEK1 (S298) on different lysates using anti-Phospho-MEK1 (S298) antibody at 1/1,000 dilution. Positive control:
Lane 1: Hela
Lane 2: NIH/3T3
Lane 3: A431



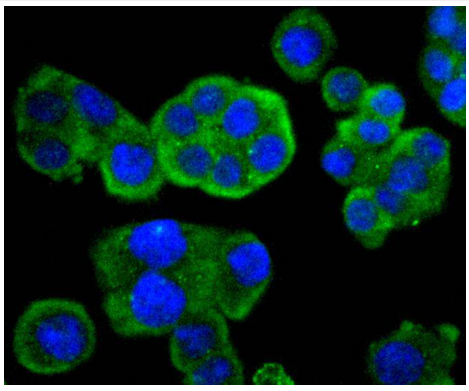
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-Phospho-MEK1 (S298) antibody. Counter stained with hematoxylin.



ICC staining Phospho-MEK1 (S298) 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 Phospho-MEK1 (S298) 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 Phospho-MEK1 (S298) in SW480 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