Product Datasheet

Phospho-MEK1(S218/S222) Rabbit mAb

Catalog No: #13373

Package Size: #13373-1 50ul #13373-2 100ul

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

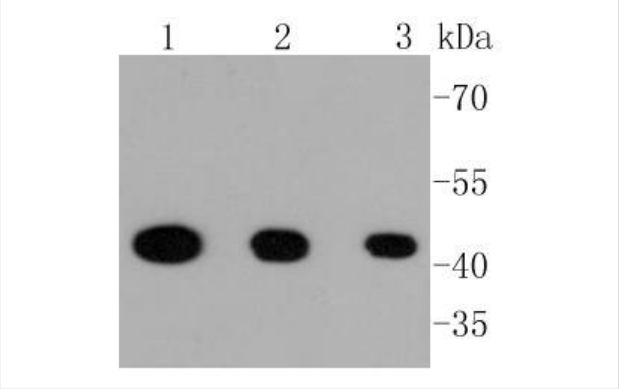
Description

Product Name	Phospho-MEK1(S218/S222) Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Clone No.	ST0490
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP
Species Reactivity	Hu
Immunogen Description	Synthetic phospho-peptide corresponding to residues surrounding Ser218 and 222 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 hide
Accession No.	Swiss-Prot#:Q02750
Uniprot	Q02750
GeneID	5604;
Calculated MW	45 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

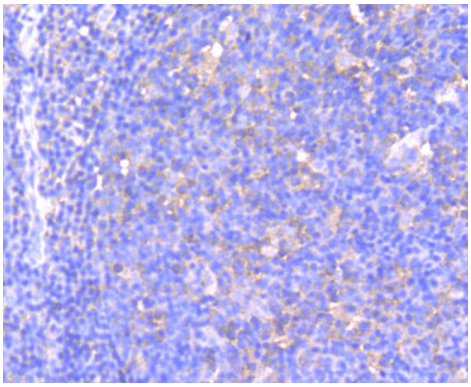
Application Details

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

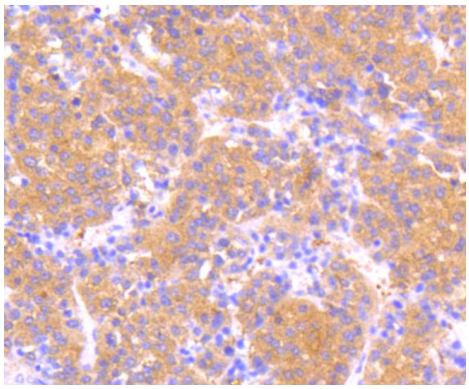
Images



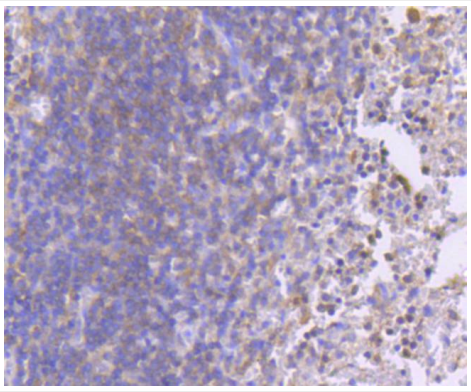
Western blot analysis of Phospho-MEK1(S218/S222) on different lysates using anti-Phospho-MEK1(S218/S222) antibody at 1/1,000 dilution. Positive control:
Lane 1: A431
Lane 2: Hela
Lane 3: 293T



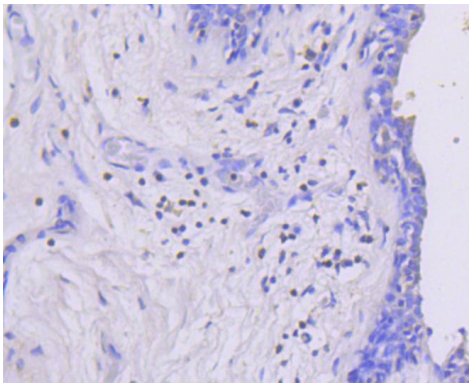
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-Phospho-MEK1(S218/S222) antibody. Counter stained with hematoxylin.



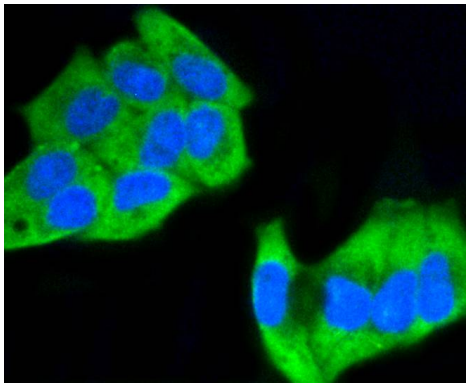
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-Phospho-MEK1(S218/S222) antibody. Counter stained with hematoxylin.



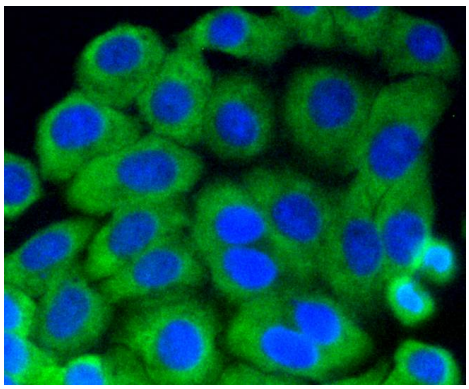
Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-Phospho-MEK1(S218/S222) antibody. Counter stained with hematoxylin.



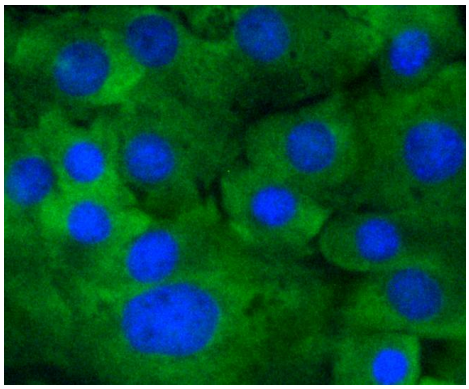
Immunohistochemical analysis of paraffin-embedded human breast tissue using anti-Phospho-MEK1(S218/S222) antibody. Counter stained with hematoxylin.



ICC staining Phospho-MEK1(S218/S222) 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(S218/S222) in HepG2 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(S218/S222) 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

Activation of extracellular signal-regulated kinase (ERK) or mitogen-activated protein kinase by MEK (mitogen-activated protein kinase or extracellular signal-regulated kinase kinase) is an essential event in the mitogenic growth factor-induced signal transduction pathway. Phosphorylation of MEKs correlates with their ability to phosphorylate and activate ERKs. MEK1 and MEK2 can also be activated by autophosphorylation. Lipopolysaccharide activates many of the MAPK family members of the immediate upstream MAPK activator MEK1, MEK2, and MEK3. In plants, MEK can phosphorylate and activate MAPK, and that Tyr phosphorylation is critical for the catalytic activity of MAPK in plants.

References

Note: This product is for in vitro research use only