Product Datasheet

MEK5 Rabbit mAb

Catalog No: #49144

Package Size: #49144-1 50ul #49144-2 100ul

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

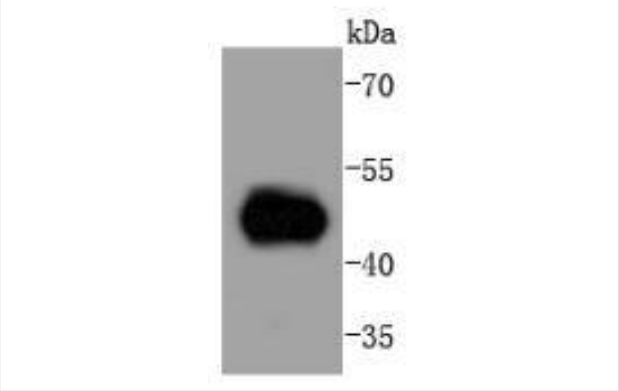
Description

Product Name	MEK5 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SD208-6
Purification	ProA affinity purified
Applications	WB, ICC/IF
Species Reactivity	Hu
Immunogen Description	recombinant protein
Other Names	Dual specificity mitogen activated protein kinase kinase 5 antibody Dual specificity mitogen-activated protein kinase kinase 5 antibody EC 2.7.12.2 antibody HsT17454 antibody MAP kinase kinase 5 antibody MAP kinase kinase MEK5b antibody MAP2K5 antibody MAPK/ERK kinase 5 antibody MAPKK 5 antibody MAPKK5 antibody MEK 5 antibody mitogen-activated protein kinase kinase 5 antibody MKK5 antibody MP2K5_HUMAN antibody PRKMK5 antibody Protein kinase, mitogen-activated, kinase 5 antibody SAPKK5 antibody SKK5 antibody
Accession No.	Swiss-Prot#:Q13163
Uniprot	Q13163
GeneID	5607;
Calculated MW	49 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

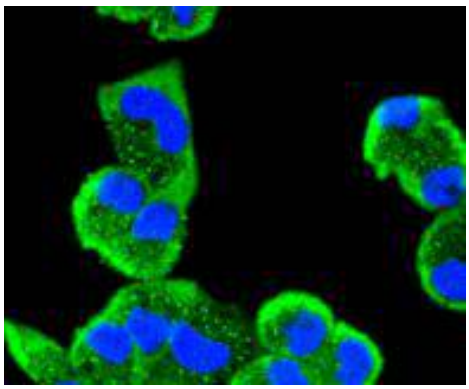
Application Details

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

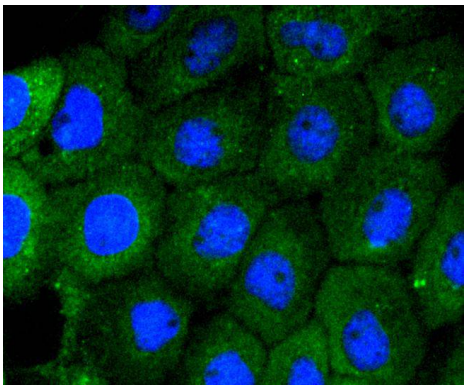
Images



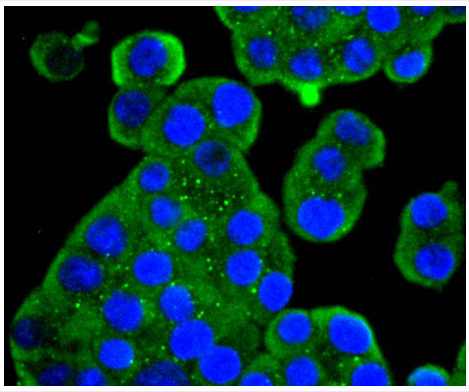
Western blot analysis of MEK5 on Hela cells lysates using anti-MEK5 antibody at 1/1,000 dilution.



ICC staining MEK5 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 MEK5 in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining MEK5 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