

MEK7 Rabbit mAb

Catalog No: #49145



Package Size: #49145-1 50ul #49145-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)  
Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

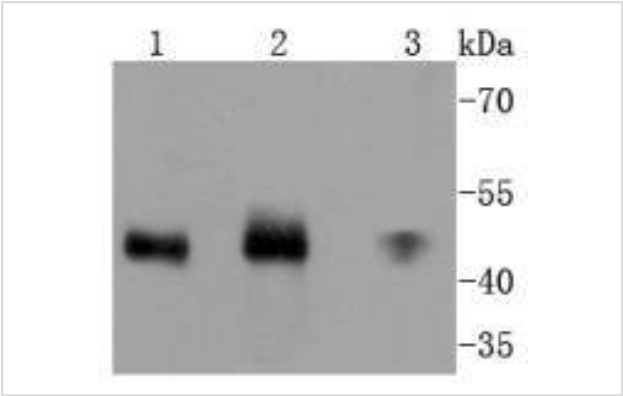
Description

Product Name	MEK7 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SD20-87
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	c-Jun N-terminal kinase kinase 2 antibody Dual specificity mitogen activated protein kinase kinase 7 antibody Dual specificity mitogen-activated protein kinase kinase 7 antibody JNK activating kinase 2 antibody JNK kinase 2 antibody JNK-activating kinase 2 antibody JNKK 2 antibody Jnkk-2 antibody Jnkk2 antibody MAP kinase kinase 7 antibody MAP2K7 antibody MAPK/ERK kinase 7 antibody MAPKK 7 antibody MAPKK-7 antibody MAPKK7 antibody MEK 7 antibody Mitogen Activated Protein Kinase kinase 7 antibody MKK 7 antibody MKK-7 antibody MKK7 antibody MP2K7_HUMAN antibody PRKMK 7 antibody PRKMK-7 antibody PRKMK7 antibody SAPK kinase 4 antibody SAPKK-4 antibody SAPKK4 antibody Sek 2 antibody Sek-2 antibody Sek2 antibody SKK4 antibody stress-activated protein kinase kinase 4 antibody
Accession No.	Swiss-Prot#:O14733
Uniprot	O14733
GeneID	5609;
Calculated MW	47 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

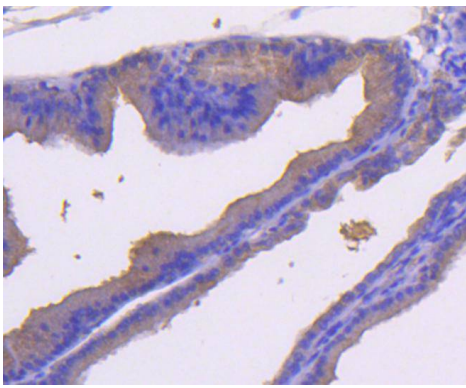
Application Details

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

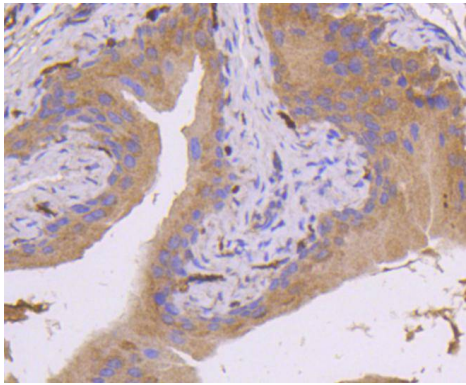
Images



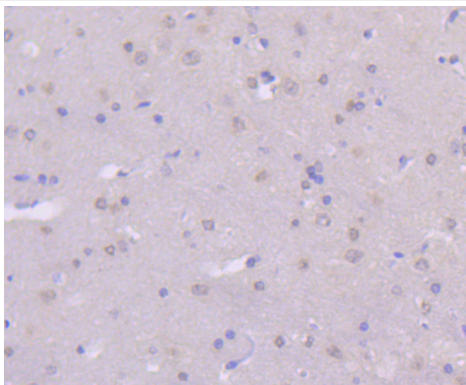
Western blot analysis of MEK7 on different lysates using anti-MEK7 antibody at 1/1,000 dilution. Positive control: Lane 1: Hela Lane 2: 293T Lane 3: A431



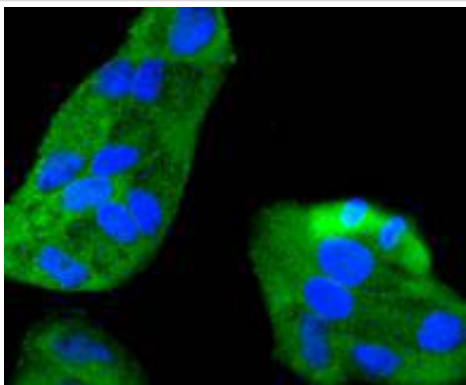
Immunohistochemical analysis of paraffin-embedded rat bladder tissue using anti-MEK7 antibody. Counter stained with hematoxylin.



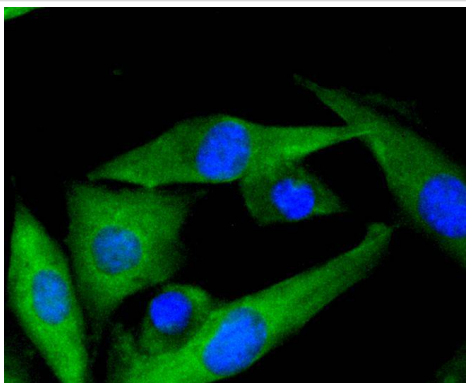
Immunohistochemical analysis of paraffin-embedded mouse bladder tissue using anti-MEK7 antibody. Counter stained with hematoxylin.



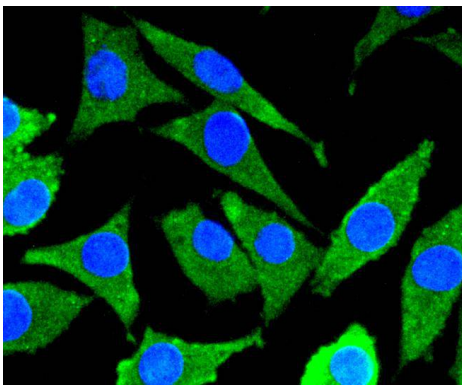
Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-MEK7 antibody. Counter stained with hematoxylin.



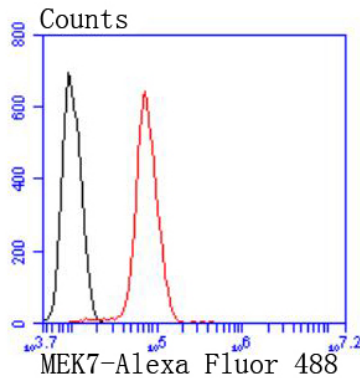
ICC staining MEK7 in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining MEK7 in SHG-44 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining MEK7 in SH-SY-5Y 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 MEK7 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