

MEK1 (Phospho-S298) Rabbit mAb

Catalog No: #13407

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

Description

Product Name	MEK1 (Phospho-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.
Conjugates	Unconjugated
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
Calculated MW	Predicted band size: 43 kDa
SDS-PAGE MW	Observed band size: 45 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

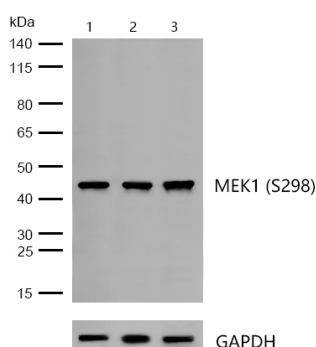
Application Details

WB: 1:500-1:2000

ICC/IF: 1:50-1:200

IHC: 1:50-1:200

Images



All lanes : MEK1 (Phospho-S298) Rabbit mAb at 1/1k dilution

Lane 1 : Hela whole cell lysates

Lane 2 : NIH/3T3 whole cell lysates

Lane 3 : Rat brain lysates

Lysates/proteins at 20 µg per lane.

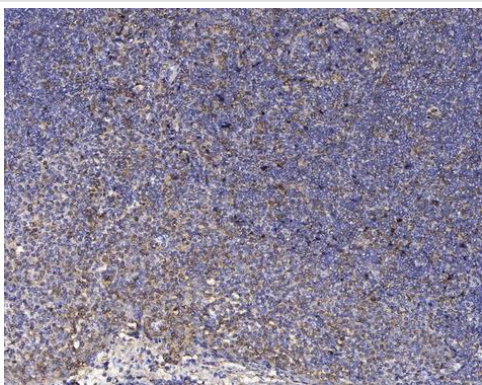
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

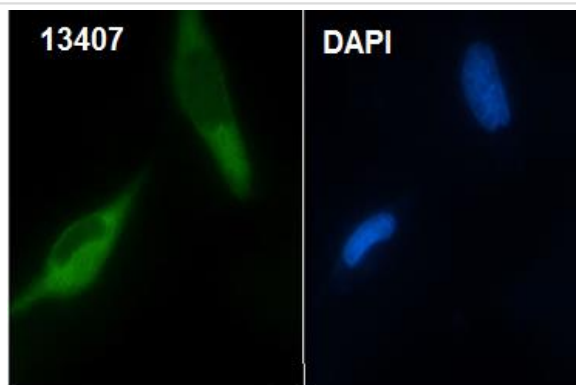
Predicted band size: 43 kDa

Observed band size: 45 kDa

Exposure time: 10 seconds



Formalin-fixed, paraffin-embedded human tonsil tissue stained for MEK1 (Phospho-S298) using 13407 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence MEK1 (Phospho-S298) antibody (13407)
 ICC/IF staining of MEK1 (Phospho-S298) in HT1080 cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100. Samples were incubated with 13407 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 488 goat anti rabbit, used at a dilution of 1/500. Nuclei were counterstained with DAPI.

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 and is not intended for use in humans or animals.