Raf1 (Phospho-S259) Rabbit mAb

Catalog No: #13413

Package Size: #13413-1 50ul #13413-2 100ul

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

Description

Product Name	Raf1 (Phospho-S259) Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Clone No.	SD85-07
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Synthetic phospho-peptide corresponding to residues surrounding Ser259 of human Raf1
Conjugates	Unconjugated
Other Names	c Raf antibody C-raf antibody C-Raf proto-oncogene, serine/threonine kinase antibody CMD1NN antibody Craf 1 transforming gene antibody cRaf antibody Craf1 transforming gene antibody EC 2.7.11.1 antibody kinase Raf1 antibody Murine sarcoma 3611 oncogene 1 antibody NS5 antibody Oncogene MIL antibody Oncogene RAF1 antibody OTTHUMP00000160218 antibody OTTHUMP00000207813 antibody OTTHUMP00000209389 antibody Protein kinase raf 1 antibody Proto-oncogene c-RAF antibody Raf 1 antibody Raf 1 proto oncogene serine/threonine kinase antibody RAF antibody Raf proto oncogene serine/threonine protein kinase antibody RAF proto-oncogene serine/threonine-protein kinase antibody RAF-1 antibody RAF1 antibody RAF1_HUMAN antibody Similar to murine leukemia viral (V-raf-1) oncogene homolog 1 antibody TRANSFORMING REPLICATION-DEFECTIVE MURINE RETROVIRUS 3611-MSV antibody v raf 1 murine leukemia viral oncogene homolog 1 antibody v-raf murine sarcoma viral oncogene homolog 1 antibody v-raf-1 murine leukemia viral oncogene-like protein 1 antibody vraf1 murine leukemia viral oncogene homolog 1 antibody
Accession No.	Swiss-Prot#:P04049
Calculated MW	Predicted band size: 73 kDa
SDS-PAGE MW	Observed band size: 73 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

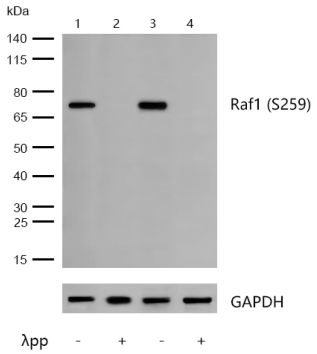
Application Details

WB: 1:500-1:2000

ICC/IF: 1:50-1:200

IHC: 1:50-1:200

Images



All lanes : Raf1 (Phospho-S259) Rabbit mAb at 1/1k dilution

Lane 1 : NIH/3T3 whole cell lysates
Lane 2 : NIH/3T3 whole cell lysates treated with λpp for 1 hour

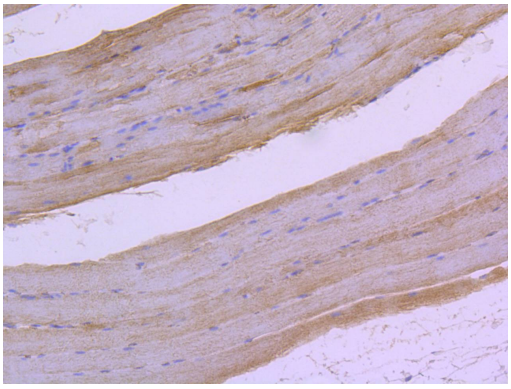
Lane 3 : HEK-293 whole cell lysates
Lane 4 : HEK-293 whole cell lysates treated with λpp for 1 hour

Lysates/proteins at 20 µg per lane.

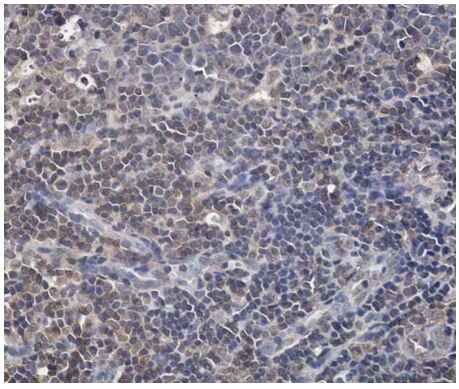
Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 73 kDa
Observed band size: 73 kDa

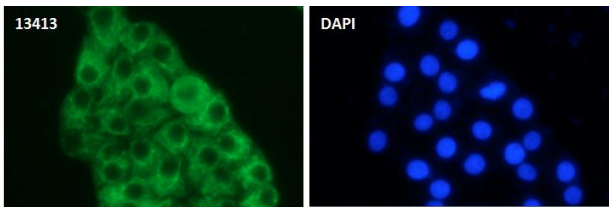
Exposure time: 10 seconds



Formalin-fixed, paraffin-embedded rat skeletal muscle tissue stained for Raf1 (Phospho-S259) using 13413 at 1/100 dilution in immunohistochemical analysis.



Formalin-fixed, paraffin-embedded human tonsil tissue stained for Raf1 (Phospho-S259) using 13413 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence Raf1 (Phospho-S259) antibody (13413)
ICC/IF staining of Raf1 (Phospho-S259) in HEK293 cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100.
Samples were incubated with 13413 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

Raf-1 is a ubiquitously expressed cytoplasmic protein with intrinsic serine/threonine kinase activity. Raf-1, or c-Raf, is the cellular homolog of v-Raf, the product of the transforming gene of the 3611 strain of murine sarcoma virus. The unregulated kinase activity of the v-Raf protein is associated with cellular transformation and mitogenesis. Raf-1 is normally suppressed by its regulatory N-terminal domain. Raf-1 is activated in response to a variety

of tyrosine kinase receptors as well as in response to pp60v-Src expression. Specifically, Raf-1 is phosphorylated in the catalytic domain at Ser 338 and, to a lesser extent, Ser 339. This phosphorylation requires the co-activation of PI 3-kinase and the Ras signaling pathway. Raf-1 is also phosphorylated on Tyr 340 and 341, which induces the phosphorylation of MEK. Phosphorylation of Ser 621 is essential for the catalytic activity of Raf-1 and downregulation by c-AMP-dependent protein kinase A (PKA). PKA also phosphorylates Raf-1 on Ser 43 and Ser 259. PKA phosphorylation of Ser 259 inhibits Raf-1 and decreases the phosphorylation necessary for Raf-1 activation at Ser 338.

References

Note: This product is for in vitro research use only and is not intended for use in humans or animals.