

anti- RAF1 antibody

Product Information

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|---------------|---|
| Catalog No.: | FNab10383 |
| Size: | 100µg |
| Form: | liquid |
| Purification: | Immunogen affinity purified |
| Purity: | ≥95% as determined by SDS-PAGE |
| Host: | Rabbit |
| Clonality: | polyclonal |
| Clone ID: | None |
| IsoType: | IgG |
| Storage: | PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.) |

Background

Serine/threonine-protein kinase that acts as a regulatory link between the membrane-associated Ras GTPases and the MAPK/ERK cascade, and this critical regulatory link functions as a switch determining cell fate decisions including proliferation, differentiation, apoptosis, survival and oncogenic transformation. RAF1 activation initiates a mitogen-activated protein kinase(MAPK) cascade that comprises a sequential phosphorylation of the dual-specific MAPK kinases(MAP2K1/MEK1 and MAP2K2/MEK2) and the extracellular signal-regulated kinases(MAPK3/ERK1 and MAPK1/ERK2). The phosphorylated form of RAF1(on residues Ser-338 and Ser-339, by PAK1) phosphorylates BAD/Bcl2-antagonist of cell death at 'Ser-75'. Phosphorylates adenylyl cyclases: ADCY2, ADCY5 and ADCY6, resulting in their activation. Phosphorylates PPP1R12A resulting in inhibition of the phosphatase activity. Phosphorylates TNNT2/cardiac muscle troponin T. Can promote NF-kB activation and inhibit signal transducers involved in motility(ROCK2), apoptosis(MAP3K5/ASK1 and STK3/MST2), proliferation and angiogenesis(RB1). Can protect cells from apoptosis also by translocating to the mitochondria where it binds BCL2 and displaces BAD/Bcl2-antagonist of cell death. Regulates Rho signaling and migration, and is required for normal wound healing. Plays a role in the oncogenic transformation of epithelial cells via repression of the TJ protein, occludin(OCN) by inducing the up-regulation of a transcriptional repressor SNAI2/SLUG, which induces down-regulation of OCN. Restricts caspase activation in response to selected stimuli, notably Fas stimulation, pathogen-mediated macrophage apoptosis, and erythroid differentiation.

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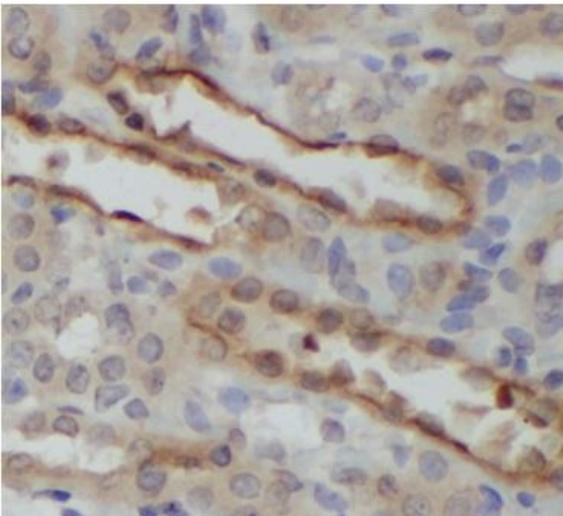
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Immunogen information

Immunogen: v-raf-1 murine leukemia viral oncogene homolog 1
Synonyms: c Raf, CRAF, NS5, Proto oncogene c RAF, RAF, Raf 1, RAF1
Observed MW: 76 kDa
Uniprot ID : P04049

Application

Reactivity: Human, rat
Tested Application: ELISA, WB, IHC
Recommended dilution: WB: 1:500-1:2000; IHC: 1:20-1:200
Image:



Immunohistochemistry of paraffin-embedded rat kidney tissue slide using FNab10383(RAF1 Antibody) at dilution of 1:50

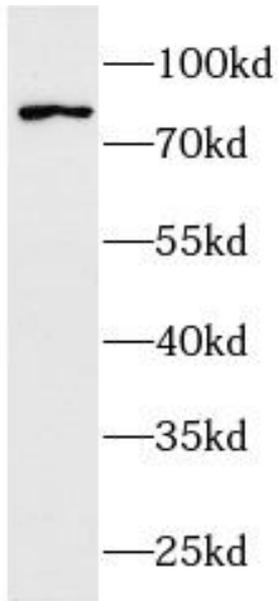
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Rat skeletal muscle were subjected to SDS PAGE followed by western blot with FNab10383(RAF1 Antibody) at dilution of 1:1000