Raf1 Rabbit Polyclonal Antibody

CAB0223

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

73KDa

Calculated MW:

73kDa/75kDa

Applications:

WB IHC IF IP

Reactivity:

Human, Mouse, Rat

Antibody Information

Recommended dilutions:
WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200 IP 1:50 - 1:200

Source:
Rabbit

Isotype:
IgG

Purification:
Affinity purification

Protein Background

This gene is the cellular homolog of viral raf gene (v-raf). The encoded protein is a MAP kinase kinase kinase (MAP3K), which functions downstream of the Ras family of membrane associated GTPases to which it binds directly. Once activated, the cellular RAF1 protein can phosphorylate to activate the dual specificity protein kinases MEK1 and MEK2, which in turn phosphorylate to activate the serine/threonine specific protein kinases, ERK1 and ERK2. Activated ERKs are pleiotropic effectors of cell physiology and play an important role in the control of gene expression involved in the cell division cycle, apoptosis, cell differentiation and cell migration. Mutations in this gene are associated with Noonan syndrome 5 and LEOPARD syndrome 2.

Immunogen information

Gene ID:
5894

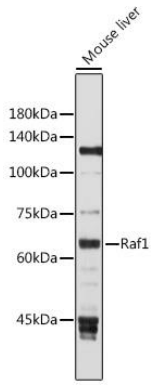
Uniprot
P04049

Synonyms:
CMD1NN; CRAF; NS5; Raf-1; c-Raf; RAF1

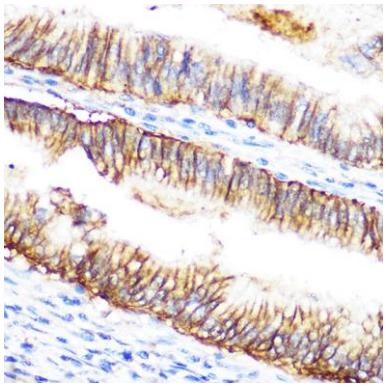
Immunogen:
Recombinant fusion protein containing a sequence corresponding to amino acids 190-350 of human Raf1 (NP_002871.1).

Storage:
Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

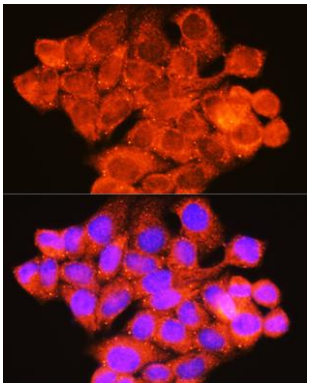
Product Images



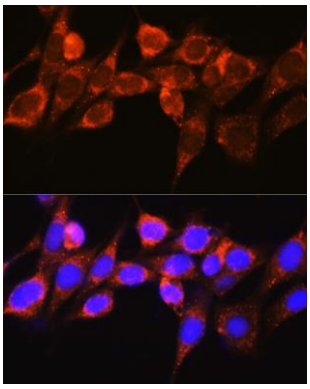
Western blot analysis of extracts of Mouse liver, using Raf1 antibody (CAB0223) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 30s.



Immunohistochemistry of paraffin-embedded human colon carcinoma using Raf1 Rabbit pAb (CAB0223) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of HeLa cells using Raf1 Rabbit pAb (CAB0223) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH-3T3 cells using Raf1 Rabbit pAb (CAB0223) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.