Product Datasheet

RAF1 Antibody

Catalog No: #32022

Package Size: #32022-1 50ul #32022-2 100ul

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

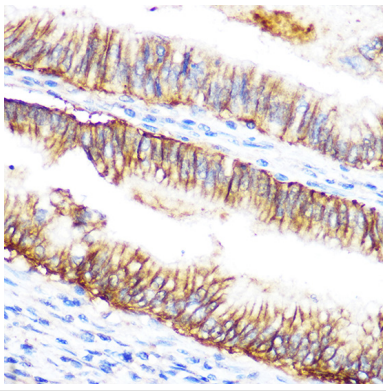
Description

Product Name	RAF1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total RAF1 protein.
Immunogen Type	Peptide
Immunogen Description	Recombinant fusion protein of human Raf1 (NP_002871.1).
Target Name	RAF1
Other Names	CMD1NN;CRAF;NS5;Raf-1;c-Raf;RAF1
Accession No.	Uniprot:P04049GeneID:5894
Uniprot	P04049
GeneID	5894
SDS-PAGE MW	73KDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

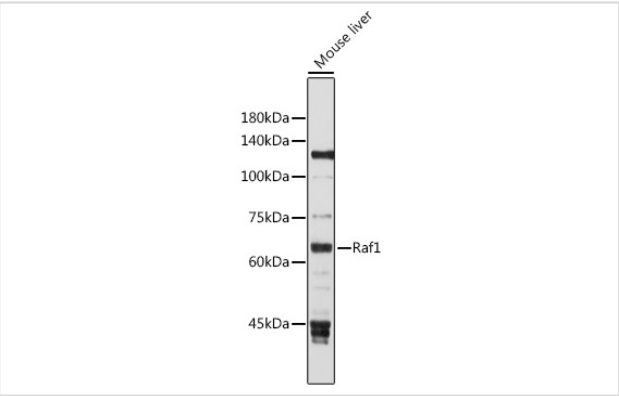
Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:200IF□1:50 - 1:200

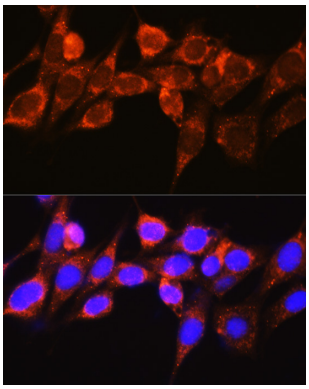
Images



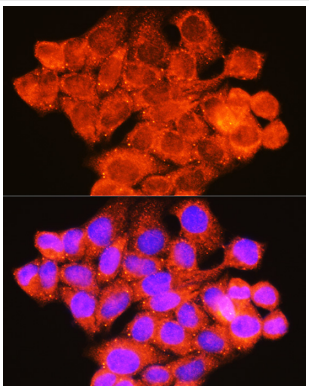
Immunohistochemistry of paraffin-embedded human colon carcinoma using Raf1 Rabbit pAb.



Western blot analysis of extracts of Mouse liver, using Raf1 antibody.



Immunofluorescence analysis of NIH-3T3 cells using Raf1 Rabbit pAb.



Immunofluorescence analysis of HeLa cells using Raf1 Rabbit pAb.

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.

Note: This product is for in vitro research use only