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anti-RAF1 antibody





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Quantity:	200 μL	
Target:	RAF1	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This RAF1 antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)	
Product Details		
Immunogen:	Recombinant fusion protein of human RAF1 (NP_002871.1).	
Isotype:	IgG	
Characteristics:	Polyclonal Antibody	
Purification:	Affinity purification	
Target Details		
Target:	RAF1	
Alternative Name:	RAF1 (RAF1 Products)	
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

Target Details

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.

Molecular Weight:

Observed_MW: 73 kDa

Calculated_MW: 73 kDa/75 kDa

Gene ID:

5894

UniProt:

P04049

Pathways:

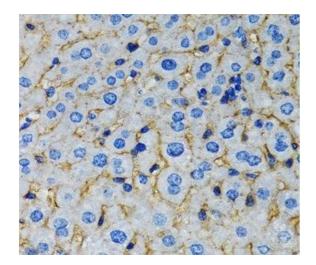
MAPK Signaling, RTK Signaling, Fc-epsilon Receptor Signaling Pathway, Neurotrophin Signaling Pathway, cAMP Metabolic Process, Stem Cell Maintenance, Hepatitis C, Autophagy, Signaling of Hepatocyte Growth Factor Receptor, VEGF Signaling, BCR Signaling

Application Details

Application Notes:	WB 1:500-1:2000 IHC 1:50-1:200 IF 1:50-1:200
Restrictions:	For Research Use only

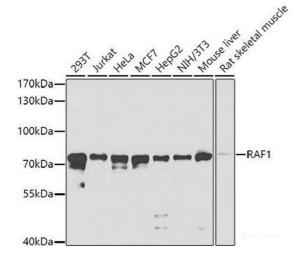
Handling

Handling	andling	
Format:	Liquid	
Concentration:	1 mg/mL	
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	-20 °C	
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.	



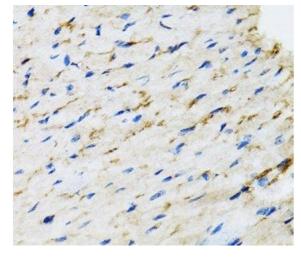
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded Rat liver using RAF1 Polyclonal Antibody at dilution of 1:100 (40x lens).



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines using RAF1 Polyclonal Antibody at dilution of 1:1000.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded Rat heart using RAF1 Polyclonal Antibody at dilution of 1:100 (40x lens).

Please check the product details page for more images. Overall 4 images are available for ABIN7254803.