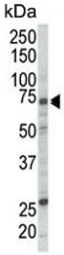
RAF1 Antibody / c-Raf (F54952)

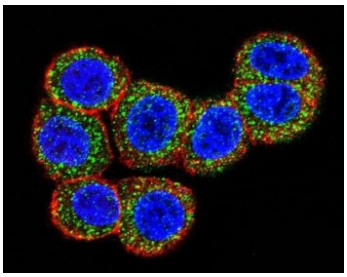
Catalog No.	Formulation	Size
F54952-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54952-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

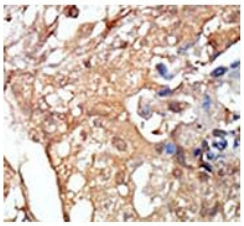
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	P04049
Localization	Cytoplasmic, nuclear
Applications	Flow cytometry: 1:10-1:50 (1x10e6 cells) Immunofluorescence: 1:10-1:50 Immunohistochemistry (FFPE): 1:50-1:100 Western blot: 1:500-1:1000
Limitations	This RAF1 antibody is available for research use only.



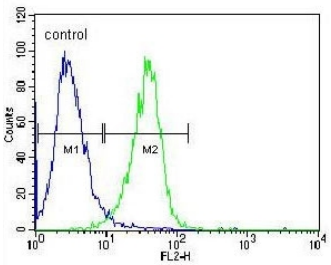
Western blot testing of human Jurkat cell lysate with RAF1 antibody. Predicted molecular weight ~73 kDa.



Immunofluorescent staining of human HeLa cells with RAF1 antibody (green), DAPI nuclear stain (blue) and anti-Actin (red).



IHC testing of FFPE human breast cancer tissue with RAF1 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of human HeLa cells with RAF1 antibody; Blue=isotype control, Green= RAF1 antibody.

Description

RAF1 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, RAF1 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.

Application Notes

The stated application concentrations are suggested starting points. Titration of the RAF1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 1-30 from the human protein was used as the immunogen for the RAF1 antibody.

Storage

Aliquot the RAF1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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