BT LAB
Bioassay Technology Laboratory
Optimize Your Research

Raf-1(Phospho Ser289) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP13522
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human C-RAF around the phosphorylation site of Ser289. AA range:251-300
Mol wt	73052
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	RAF proto-oncogene serine/threonine-protein kinase
Synonyms	RAF proto-oncogene serine/threonine-protein kinase; RAF1; RAF; RAF proto-oncogene serine/threonine-protein kinase; Proto-oncogene c-RAF; cRaf; Raf-1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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.

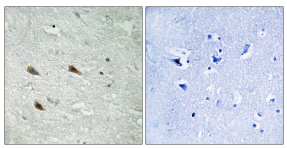
Recommended Dilution

IHC-p: 1: 100 - 1: 300

ELISA: 1: 5000

Not yet tested in other applications.

Images



Immunohistochemistry analysis of paraffin-embedded human brain, using C-RAF (Phospho-Ser289) Antibody. The picture on the right is blocked with the phospho peptide.

Storage

-20°C for 1 year

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