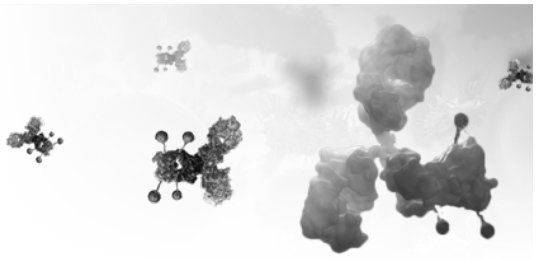

Anti-RAF1 (aa 1-130) polyclonal antibody (DPAB-DC2657)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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	RAF1 (AAH18119, 1 a.a. ~ 130 a.a) partial recombinant protein with GST tag. The sequence is MEHIQGAWKTISNGFGFKDAVFDGSSCISPTIVQQFGYQRRASDDGKLTDPSKTSNTIRV FLPNKQRTVVNVRNGMSLHDCLMKALKVRGLQPECCAVFRLLHEHKGKKARLDWNTDAAS LIGEELQVDF
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

GENE INFORMATION

Gene Name	RAF1 Raf-1 proto-oncogene, serine/threonine kinase [Homo sapiens (human)]
Official Symbol	RAF1
Synonyms	RAF1; Raf-1 proto-oncogene, serine/threonine kinase; NS5; CRAF; Raf-1; c-Raf; RAF proto-oncogene serine/threonine-protein kinase; Oncogene RAF1; proto-oncogene c-RAF; C-Raf proto-oncogene, serine/threonine kinase; v-raf-1 murine leukemia viral oncogene homolog 1; raf proto-oncogene serine/threonine protein kinase;
Entrez Gene ID	5894
Protein Refseq	NP_002871
UniProt ID	L7RRS6
Chromosome Location	3p25
Pathway	AGE/RAGE pathway; Activation of NMDA receptor upon glutamate binding and postsynaptic events; Adaptive Immune System; Axon guidance
Function	ATP binding; MAP kinase kinase kinase activity; identical protein binding; metal ion binding

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