9F, No. 108, Jhouzih St.,Taipei, Taiwan
Tel: + 886-2-8751-1888 Fax: + 886-2-6602-1218
E-mail: sales@abnova.com

Datasheet

RAF1 monoclonal antibody, clone PS338 [DPR/2/2A/3A]

Catalog Number: MAB5144

Regulation Status: For research use only (RUO)

Product Description: Rat monoclonal antibody raised against synthetic peptide of RAF1.

Clone Name: PS338 [DPR/2/2A/3A]

Immunogen: A synthetic peptide corresponding to human RAF1.

Sequence: GQRDSSYYWEIEAS

Host: Rat

Reactivity: Human

Applications: IHC-P
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Specificity: This antibody binds to phosphorylated serine residue at aa 338. It does not bind to unactivated Raf-1 or Raf-1 phosphorylated at Y341 and S339. Molecular weight 74 KDa.

Form: Liquid

Isotype: IgG1

Recommend Usage: Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (2-4 ug/mL)
The optimal working dilution should be determined by the end user.

Storage Buffer: In 10 mM PBS, pH 7.4 (0.09% sodium azide, BSA)

Storage Instruction: Store at 4°C.

Entrez GeneID: 5894

Gene Symbol: RAF1

Gene Alias: CRAF, NS5, Raf-1, c-Raf

Gene Summary: 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. [provided by RefSeq]