Human/Mouse/Rat Raf-1 Alexa Fluor® 488-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 563002

Catalog Number: FAB4540G

100 µg

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse, and rat Raf-1 at 74 kDa in Western blots.
Source	Monoclonal Mouse IgG_{2A} Clone # 563002
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human Raf-1 Asn189-Thr353 Accession # P04049
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

The Raf serine/threonine kinases are effectors of Ras that function as MAP3Ks in the ERK phosphorylation cascade. Mammals express three Raf proteins: A-Raf, B-Raf, and Raf-1, also known as C-Raf. Human Raf-1 contains three distinct regions; an N-terminal RBD (Ras-binding domain) (aa 56 - 131), followed by two rich segments [a cysteine-finger region (aa 138 - 184) (also called CR1/C1) and a second cysteine-rich region (CR2) (aa 253 - 264)] and a C-terminal Ser/Thr kinase catalytic domain (aa 354 - 611). Active Raf-1 phosphorylates and activates the MAPK kinases MEK1 and 2, which in turn phosphorylate and activate the MAP kinases ERK1 and 2.

PRODUCT SPECIFIC NOTICES

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