

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse, and rat B-Raf. No cross-reactivity with recombinant human Raf-1 is observed. Cross-reactivity with A-Raf has not been tested.
Source	Monoclonal Mouse IgG _{2A} Clone # 336016
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human B-Raf Met1-His766 Accession # P15056
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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.

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: Raf-1 (C-Raf); A-Raf; and B-Raf, strongly expressed in fetal brain and adult cerebrum. Mice with a targeted disruption of the *B-raf* gene die of vascular defects during mid-gestation. *B-raf* mutations have been found in two-thirds of malignant melanomas, with the single substitution V599E in the kinase domain the most frequent occurrence.

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