Human/Mouse/Rat MEK2 Alexa Fluor® 405-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 300317

Catalog Number: FAB2855V

100 µg

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse, and rat MEK2 in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human (rh) MEK1 or rhMEK5 is observed.
Source	Monoclonal Mouse IgG_{2A} Clone # 300317
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human MEK2 Met1-Val400 Accession # P36507
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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.
Immunocytochemistry	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

Mitogen-activated protein kinase kinase 2 (MEK2 or MAP2K2), also known as MKK2,belongs to the STE family of kinases. Both MEK2 and the related MEK1 aredual-specificity kinases, phosphorylating and activating the mitogen-activated proteinkinases ERK1 and ERK2 at T and Y positions within the phosphoacceptor sequence T-E-Y. Activation of MEK2 by Raf occurs through phosphorylation at S222 and S226.

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