Human/Mouse/Rat MKK3 Alexa Fluor® 488-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 275909

Catalog Number: FAB2515G

100 µg

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human MKK3 in direct ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant human MKK6 is observed.
Source	Monoclonal Mouse IgG_{2B} Clone # 275909
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human MKK3 Met1-Ser347 Accession # P46734
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.
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 3 (MKK3), also known as MEK3, and the closely related MKK6 are activated by proinflammatory cytokines and environmental stresses. Activation occurs through phosphorylation by several upstream MAPK kinase kinases, including ASK1 and TAK1. Both MKK3 and MKK6 are dual specificity protein kinases, phosphorylating and activating the p38 MAP kinases at Thr and Tyr positions within the phosphoacceptor sequence Thr-Gly-Tyr.

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