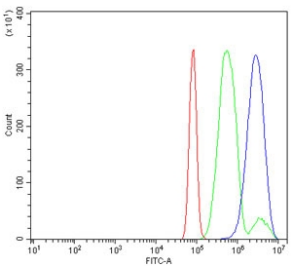
MEK2 Antibody / MAP2K2 (RQ6653)

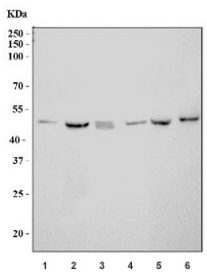
Catalog No.	Formulation	Size
RQ6653	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P36507
Applications	Western blot: 1-2ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This MEK2 antibody is available for research use only.



Flow cytometry testing of rat RH35 cells with MEK2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= MEK2 antibody.



Western blot testing of 1) human 293T, 2) human HepG2, 3) human Jurkat, 4) rat brain, 5) mouse brain and 6) mouse lung tissue lysate with MEK2 antibody. Expected molecular weight: 45-50 kDa.

Description

Dual specificity mitogen-activated protein kinase kinase 2 (MAP2K2), also called PRKMK2 or MEK2, is an enzyme that in humans is encoded by the MAP2K2 gene. The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. MAP2K2 is mapped to 19p13.3. This kinase is known to play a critical role in mitogen growth factor signal transduction, and the inhibition or degradation of this kinase is found to be involved in the pathogenesis of Yersinia and anthrax. Recombinant MEK2 and MEK1 both could activate human ERK1 in vitro, and they further characterized biochemically the 2 MAP2Ks. MAP2K2 has been shown to interact with MAPK3 and ARAF.

Application Notes

Optimal dilution of the MEK2 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids M1-E45) was used as the immunogen for the MEK2 antibody.

Storage

After reconstitution, the MEK2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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