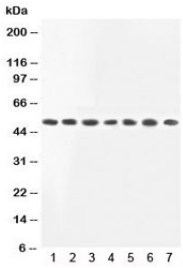
MEK2 Antibody [MAP2K2] (R31398)

Catalog No.	Formulation	Size
R31398	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
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P36507
Applications	Western Blot : 0.5-1ug/ml
Limitations	This MEK2 antibody is available for research use only.



Western blot testing of MEK2 antibody and Lane 1: rat skeletal muscle; 2: rat kidney; and human samples 3: HeLa; 4: COLO320; 5: PC12; 6: Jurkat; 7: HT1080 lysate. Observed molecular weight ~50kDa.

Description

Dual specificity mitogen-activated protein kinase kinase 2, 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 MAPKK family. This kinase is known to play a critical role in mitogen growth factor signal transduction, and the inhibition or degradation of this protein 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 two MAP2Ks. MAP2K2 has been shown to interact with MAPK3 and ARAF.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the MEK2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the N-terminus of human MAP2K2/MEK2 (LARRKPVLPALTINPTIAE) was used as the immunogen for this MEK2 antibody (100% homologous in human, mouse and rat).

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.