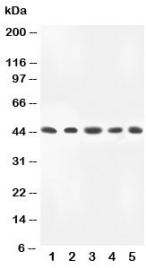
MKK4 Antibody [MEK4] (R31399)

Catalog No.	Formulation	Size
R31399	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% Trehalose and 0.025% sodium azide
UniProt	P45985
Applications	Western blot: 0.5-1ug/ml
Limitations	This MKK4 antibody is available for research use only.



Western blot testing of MKK4 antibody and Lane 1: rat skeletal muscle; 2: HeLa; 3: A549; 4: MM231; 5: CEM lysate. Predicted molecular weight ~44 kDa.

Description

Dual specificity mitogen-activated protein kinase kinase 4 (MAP2K4), also called MEK4, SEK1, JNKK1 and MKK4, is an enzyme that in humans is encoded by the MAP2K4 gene. It is mapped to 17p12. This gene encodes a dual specificity protein kinase that belongs to the Ser/Thr protein kinase family. This kinase is a direct activator of MAP kinases in response to various environmental stresses or mitogenic stimuli. It has been shown to activate MAPK8/JNK1, MAPK9/JNK2, and MAPK14/p38, but not MAPK1/ERK2 or MAPK3/ERK1. This kinase is phosphorylated, and thus activated by MAP3K1/MEKK. MAP2K4 was a specific activator of JNK1, JNK2, and p38, and it has been shown to interact with FLNC, MAPK8, MAPK8IP3 and AKT1.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the MKK4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human MKK4/MEK4 (ELLKHPFILMYEERAVEVA) was used as the immunogen for this MKK4 antibody.

Storage

After reconstitution, the MKK4 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Copyright © NSJ Bioreagents. All rights reserved.