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Your Source of Antibody

Product Information Sheet

Polyclonal Anti- Dual specificity mitogen-activated protein kinase kinase 3，***MAP2K3***

Catalogue No. PA1377

Lot No. 0131112027727

Ig type rabbit IgG

Size 100μg/vial

Specificity

Human, rat.

No cross reactivity with other proteins.

Recommended application

Western blot

Immunohistochemistry(P)

Immunocytochemistry

To reorder contact us at:

Antagene, Inc.

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Immunogen

A synthetic peptide corresponding to a sequence at the C-terminal of human MAP2K3 (320-334 aa), identical to the related mouse and rat sequence.

Purity

Immunogen affinity purified.

Application

	Concen-tration	Tested Species	Concluded Species	Antigen Retrieval
WB	1μg/ml	Hu,Rat	-	-
IHC-P	1μg/ml	Hu,Rat	Ms	By Heat
IHC-F	-	-	-	-
ICC	1μg/ml	Hu	-	-

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na_2HPO_4, 0.05mg Thimerosal, 0.05mg NaN_3.

Reconstitution

0.2ml of distilled water will yield a concentration of 500μg/ml.

Storage

At -20˚C for one year. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for longer time.

BACKGROUND

Dual specificity mitogen-activated protein kinase kinase 3 is an enzyme that in humans is encoded by the MAP2K3 gene. The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase is activated by mitogenic and environmental stress, and participates in the MAP kinase-mediated signaling cascade. It phosphorylates and thus activates MAPK14/p38-MAPK. This kinase can be activated by insulin, and is necessary for the expression of glucose transporter. Expression of RAS oncogene is found to result in the accumulation of the active form of this kinase, which thus leads to the constitutive activation of MAPK14, and confers oncogenic transformation of primary cells. Rampoldi et al. (1997) localized the MAP2K3 gene to 17q11.2.

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC AND CLINICAL USE.

REFERENCE

1.Rampoldi L, Zimbello R, Bortoluzzi S, Tiso N, Valle G, Lanfranchi G, Danieli GA (Mar 1998). "Chromosomal localization of four MAPK signaling cascade genes: MEK1, MEK3, MEK4 and MEKK5". Cytogenet Cell Genet 78 (3-4): 301–3.

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