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MAPKAPK3

Reactivity: Human Mouse Rat

Tested applications:WB IF

Recommended Dilution:WB 1:500 - 1:2000 IF 1:50 - 1:200

Calculated MW:43kDa

Observed MW: Refer to figures

Immunogen:

Recombinant protein of human MAPKAPK3

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

3PK; MK-3; MAPKAP3; MAPKAP-K3; MAPKAPK-3;

Catalog #:A7572

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID:7867

Isotype: IgG

Swiss Prot:Q16644

Purity: Affinity purification

For research use only.

Background:

This gene encodes a member of the Ser/Thr protein kinase family. This kinase functions as a mitogen-activated protein kinase (MAP kinase)- activated protein kinase. MAP kinases are also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals. This kinase was shown to be activated by growth inducers and stress stimulation of cells. In vitro studies demonstrated that ERK, p38 MAP kinase and Jun N-terminal kinase were all able to phosphorylate and activate this kinase, which suggested the role of this kinase as an integrative element of signaling in both mitogen and stress responses. This kinase was reported to interact with, phosphorylate and repress the activity of E47, which is a basic helix-loop-helix transcription factor known to be involved in the regulation of tissue-specific gene expression and cell differentiation. Alternate splicing results in multiple transcript variants that encode the same protein.

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