## Polyclonal Anti- Mitogen-activated protein kinase 3, *MAPK3 (*Sepharose Bead Conjugate)

**Catalogue No.** PA1343-S

**Lot No.** 0131012074399

**Ig type:** rabbit IgG

**Size:** 100μg/vial

**Specificity**

Human,rat/.. No cross reactivity with other proteins.

**Recommended application**

*(Immunoprecipitation(IP)*

**Immunogen**

A synthetic peptide corresponding to a sequence at the C-terminal of Human MAPK3 (365-379 aa), identical to the related mouse and rat sequence.

**Purification**

Immunogen affinity purified.

**Formulation**

50% slurry in PBS pH 7.2 with 0.01mg $NaN_3a_3$ preservative.

**Storage**

Store at 4˚C for frequent use.

**Description:**

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays

**BACKGROUND**

Mitogen-activated protein kinase 3 is an enzyme that in humans is encoded by the MAPK3 gene.[1]The protein encoded by this gene is a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act in a signaling cascade that regulates various cellular processes such as proliferation, differentiation, and cell cycle progression in response to a variety of extracellular signals. This kinase is activated by upstream kinases, resulting in its translocation to the nucleus where it phosphorylates nuclear targets. Alternatively spliced transcript variants encoding different protein isoforms have been described.[2]MAPK3 gene is mapped to human chromosome 16 by hybrid cell panel analysis.3

***REFERENCE***

1、Garcia F, Zalba G, Paez G, Encio I, de Miguel C (Apr 1999). "Molecular cloning and characterization of the human p44 mitogen-activated protein kinase gene". Genomics 50 (1): 69–78. 2、 "Entrez Gene: MAPK3 mitogen-activated protein kinase 3". 3、Charest, D. L., Mordret, G., Harder, K. W., Jirik, F., Pelech, S. L. Molecular cloning, expression, and characterization of the human mitogen-activated protein kinase p44erk1. Molec. Cell. Biol. 13: 4679-4690, 1993.



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