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

Catalogue No. PA1343-M

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.

Purity
Immunogen affinity purified.

Contents
Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN_3.

Storage
Store at 4˚C for frequent use.

Description
This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified magnetic beads. It is useful for immunoprecipitation.

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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