



Product Information Sheet

Polyclonal Anti- Heart-type fatty acid binding protein, *FABP3* (Magnetic Bead Conjugate)

Catalogue No. PA1336-M

Lot No. 0131012023699

Ig type rabbit IgG

Size 100µg/vial

Specificity

Human, rat, mouse

No cross reactivity with other proteins.

Recommended application

ImmunoPrecipitation (IP)

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminal of human FABP3 (119-133 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 NaN₃.

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

Heart-type fatty acid binding protein (hFABP) also known as mammary-derived growth inhibitor is a protein that in humans is encoded by the FABP3 gene.^{[1][2]} The intracellular fatty acid-binding proteins (FABPs) belongs to a multigene family. Fatty acid-binding protein 3 gene contains four exons and its function is to arrest growth of mammary epithelial cells. This gene is also a candidate tumor suppressor gene for human breast cancer.² Cardiac-type fatty acid-binding protein (cFABP) from human heart muscle of three individuals was isolated and characterized as pl 5.3-cFABP.³

REFERENCE

- 1、 Phelan CM, Larsson C, Baird S, Futreal PA, Ruttledge MH, Morgan K, Tonin P, Hung H, Korneluk RG, Pollak MN, Narod SA (Dec 1996). "The human mammary-derived growth inhibitor (MDGI) gene: genomic structure and mutation analysis in human breast tumors". *Genomics* 34 (1): 63–8.
- 2、 "Entrez Gene: FABP3 fatty acid binding protein 3, muscle and heart (mammary-derived growthinhibitor)".
- 3、 Borchers, T., Hojrup, P., Nielsen, S. U., Roepstorff, P., Spener, F., Knudsen, J. Revision of the amino acid sequence of human heart fatty acid binding protein. *Molec. Cell. Biochem.* 98: 127-133, 1990.

For Research Use Only not for diagnostic and clinical use

Contact: Antagene, Inc. | Tel: 1 (866) 964-2589 | Fax: 1 (888) 225-1868 | Email: Info@antageneinc.com