



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

**Catalogue No.** PA1336-S

**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.

### Purification

Immunogen affinity purified.

### Formulation

50% slurry in PBS pH 7.2 with 0.01mg NaN<sub>3</sub> 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

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 pI 5.3-cFABP.3

## REFERENCE

- 1□ Phelan CM, Larsson C, Baird S, Futreal PA, Rutledge 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.

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