Product Information Sheet

Polyclonal Anti- Heart-type fatty acid binding protein, *FABP3*

Catalogue No. PA1336

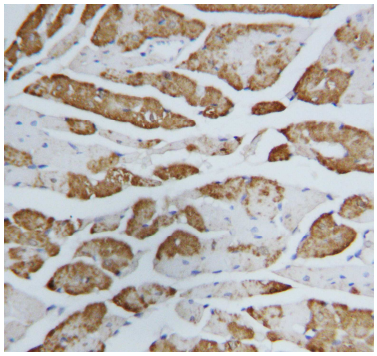
Lot No. 0131012023699

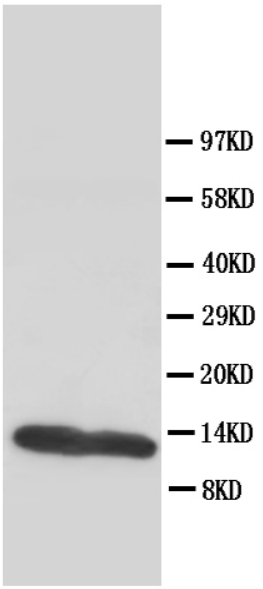
Ig type rabbit IgG

Size 100μg/vial

Specificity
Human, rat, mouse
No cross reactivity with other proteins.

Recommended application
Western blot
Immunohistochemistry(P)
Immunohistochemistry(F)





Lane 1 : Rat Heart tissue Lysate
Lane 2 : Rat Heart tissue Lysate

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.

Application

	Concen-tration	Tested Species	Concluded Species	Antigen Retrieval
WB	1μg/ml	Hu, Rat, Ms	-	-
IHC-P	1μg/ml	Hu, Rat, Ms	-	By Heat
IHC-F	1μg/ml	Rat, Ms	-	-
ICC	-	-	-	-

Other applications have not been tested.
Optimal dilutions should be determined by end user.

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na_2HPO_4, 0.05mg Thimerosal, 0.05mg NaN_3.

To reorder contact us at:
Antagene, Inc.
Toll Free: 1(866)964-2589
email: Info@antageneinc.com

Reconstitution

0.2ml of distilled water will yield a concentration of 500μg/ml.

Storage

At -20˚C for one year. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for longer time.

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, 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.