

# Cardiac FABP Antibody(Ascites)

Mouse Monoclonal Antibody (Mab)

Catalog # AM2000a

## Product Information

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Application	WB, E
Primary Accession	<a href="#">P05413</a>
Other Accession	<a href="#">NP_004093.1</a>
Reactivity	Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Names	388CT12.2.4.1
Calculated MW	14858

## Additional Information

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Gene ID	2170
Other Names	Fatty acid-binding protein, heart, Fatty acid-binding protein 3, Heart-type fatty acid-binding protein, H-FABP, Mammary-derived growth inhibitor, MDGI, Muscle fatty acid-binding protein, M-FABP, FABP3, FABP11, MDGI
Target/Specificity	Purified His-tagged Cardiac FABP protein(Fragment) was used to produced this monoclonal antibody.
Dilution	WB~~1:1000~4000 E~~Use at an assay dependent concentration.
Format	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Cardiac FABP Antibody(Ascites) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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Name	FABP3
Synonyms	FABP11, MDGI
Function	FABPs are thought to play a role in the intracellular transport of long-chain fatty acids and their acyl-CoA esters.

## Background

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The intracellular fatty acid-binding proteins (FABPs) belongs to a multigene family. FABPs are divided into at least three distinct types, namely the hepatic-, intestinal- and cardiac-type. They form 14-15 kDa proteins and are thought to participate in the uptake, intracellular metabolism and/or transport of long-chain fatty acids. They may also be responsible in the modulation of cell growth and proliferation. Fatty acid-binding protein 3 gene contains four exons and its function is to arrest growth of mammary epithelial cells. This gene is a candidate tumor suppressor gene for human breast cancer. [provided by RefSeq].

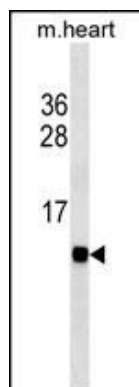
## References

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Shimada, M., et al. Hum. Genet. 128(4):433-441(2010) Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Jassim, G., et al. Pharmacopsychiatry (2010) In press : Boscheri, A., et al. Am. Heart J. 160(2):294-300(2010) Pinheiro, A.P., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 153B (5), 1070-1080 (2010) :

## Images

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Cardiac FABP Antibody (Cat. #AM2000a) western blot analysis in mouse heart tissue lysates (35µg/lane). This demonstrates the Cardiac FABP antibody detected the Cardiac FABP protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.