10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

Anti-Cardiac FABP Antibody
Catalog # ABO10662

Specification

Anti-Cardiac FABP Antibody - Product Information

Application	**WB, IHC**
Primary Accession	P05413
Host	**Rabbit**
Reactivity	**Human, Mouse, Rat**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for Fatty acid-binding protein, heart(FABP3) detection. Tested with WB, IHC-P, IHC-F in Human;Mouse;Rat.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-Cardiac FABP Antibody - Additional Information

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

Calculated MW
14858 MW KDa

Application Details
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By Heat

Immunohistochemistry(Frozen Section), 0.5-1 µg/ml, Human, -
Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat

Subcellular Localization
Cytoplasm.

Protein Name
Fatty acid-binding protein, heart

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.

Immunogen
A synthetic peptide corresponding to a sequence at the C-terminus of human FABP3 (119-133aa THGTAVCTRTYEKEA), different from the related mouse and rat sequences by three amino acids.

Purification

Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins

Storage	**At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.**

Anti-Cardiac FABP Antibody - Protein Information

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.

Cellular Location
Cytoplasm.

Anti-Cardiac FABP Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Cardiac FABP Antibody - Images

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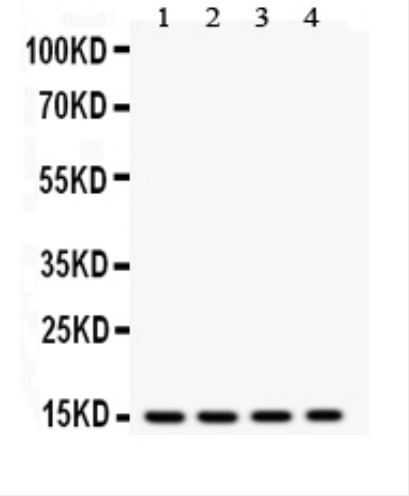
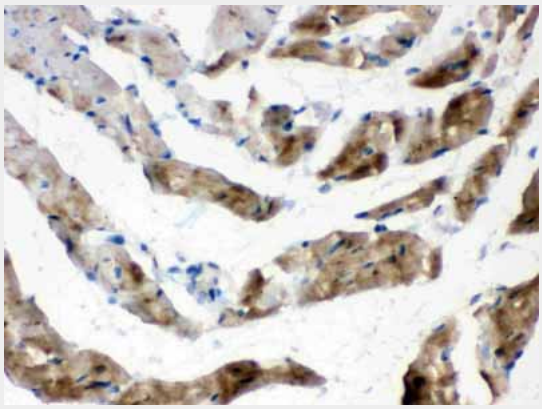
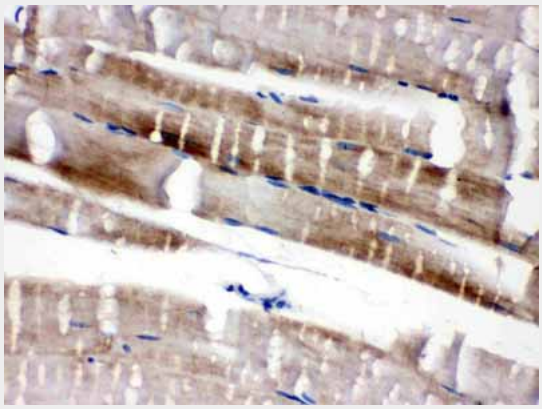


Western blot analysis of Cardiac FABP expression in rat liver extract (lane 1), mouse cardiac muscle extract (lane 2), HELA whole cell lysates (lane 3) and MCF-7 whole cell lysates (lane 4). Cardiac FABP at 15KD was detected using rabbit anti- Cardiac FABP Antigen Affinity purified polyclonal antibody (Catalog # ABO10662) at 0.5 Î¼g/mL. The blot was developed using chemiluminescence (ECL) method .



Cardiac FABP was detected in paraffin-embedded sections of rat cardiac muscle tissues using rabbit anti- Cardiac FABP Antigen Affinity purified polyclonal antibody (Catalog # ABO10662) at 1 Î¼g/mL. The immunohistochemical section was developed using SABC method .



Cardiac FABP was detected in paraffin-embedded sections of mouse skeletal muscletissues using rabbit anti- Cardiac FABP Antigen Affinity purified polyclonal antibody (Catalog # ABO10662) at 1 Î¼g/mL. The immunohistochemical section was developed using SABC method .

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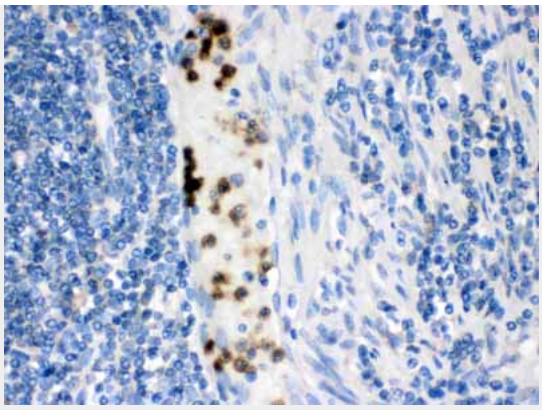

Cardiac FABP was detected in paraffin-embedded sections of human intestinal cancer tissues using rabbit anti- Cardiac FABP Antigen Affinity purified polyclonal antibody (Catalog # ABO10662) at 1 ??g/mL. The immunohistochemical section was developed using SABC method .

Anti-Cardiac FABP Antibody - 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. 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. Cardiac-type fatty acid-binding protein(cFABP) from human heart muscle of three individuals was isolated and characterized as pI 5.3-cFABP.