

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 THGTAVCTR_{TR}TYEKEA), 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 reconstitution, 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.

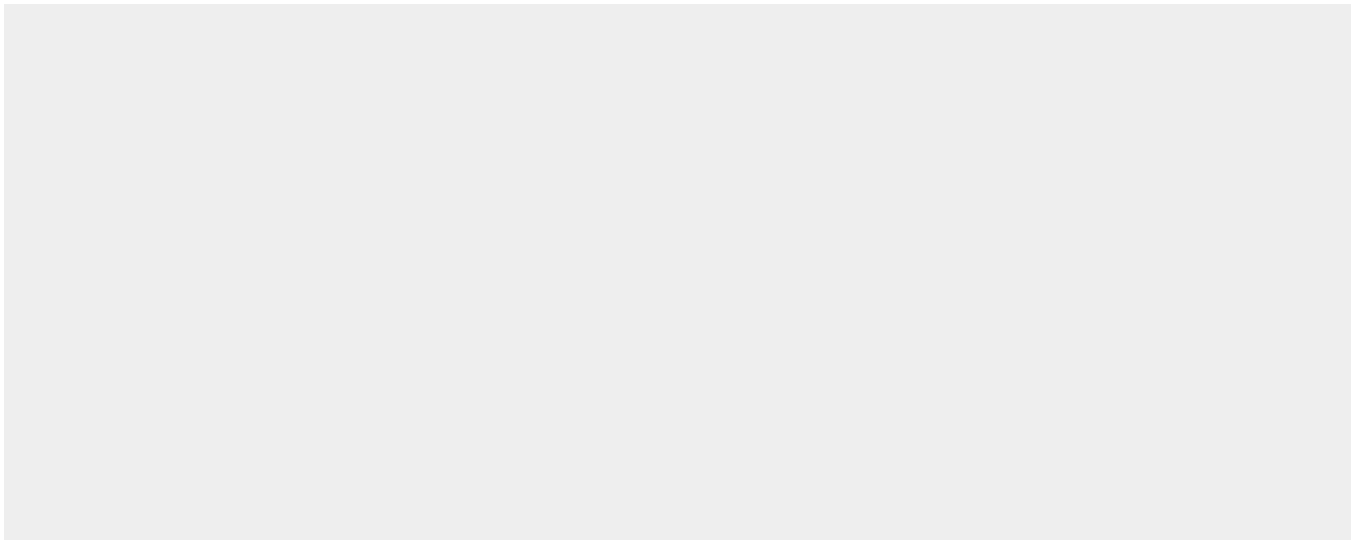
Cellular Location

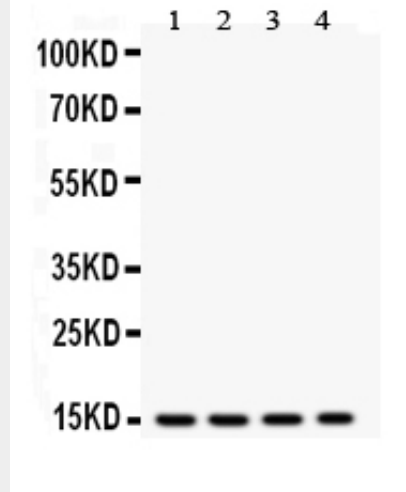
Cytoplasm.

Anti-Cardiac FABP Antibody - Protocols

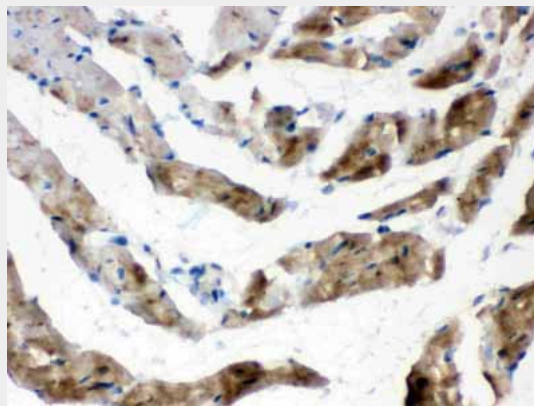
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

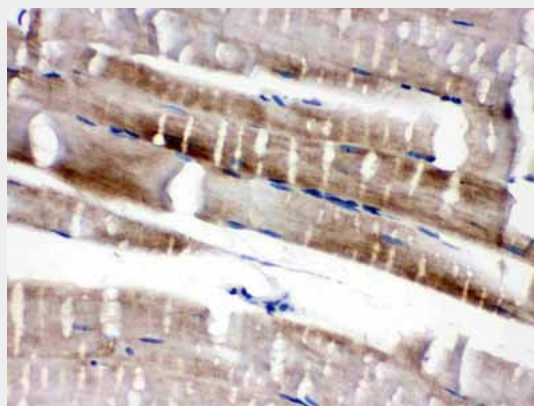
Anti-Cardiac FABP Antibody - Images



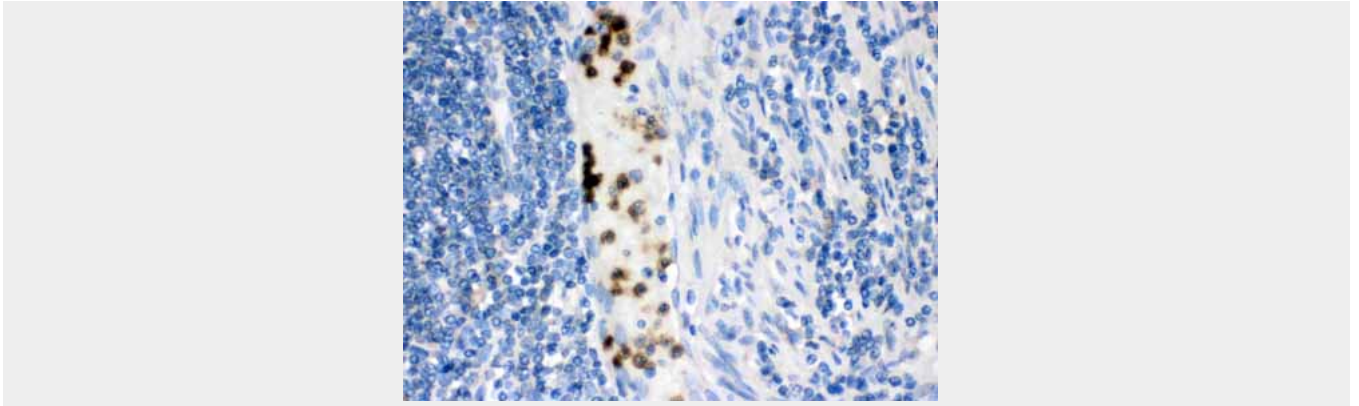
Western blot analysis of Cardiac FABP expression in rat liver extract (lane 1), mouse cardiac muscle extract (lane 2), HELA whole cell lysates (lane 3) and MCF-7 whole cell lysates (lane 4). Cardiac FABP at 15KD was detected using rabbit anti- Cardiac FABP Antigen Affinity purified polyclonal antibody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



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



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 µg/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.