

Anti-Cardiac FABP Antibody

Catalog # ABO10662

Product Information

Application	WB, IHC-P, IHC-F
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.

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
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, Mouse, Rat, By Heat Immunohistochemistry(Frozen Section), 0.5-1 μ g/ml, Human, - Western blot, 0.1-0.5 μ g/ml, Human, Mouse, Rat
Subcellular Localization	Cytoplasm.
Source	Eukaryota
Protein Name	Fatty acid-binding protein, heart
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃ .
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 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.
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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.

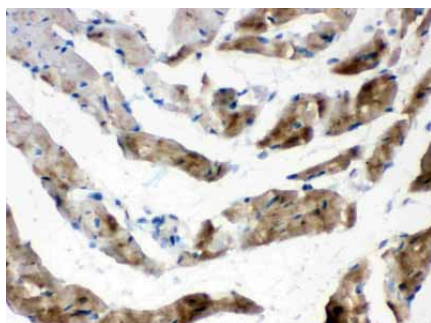
Background

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.

Images

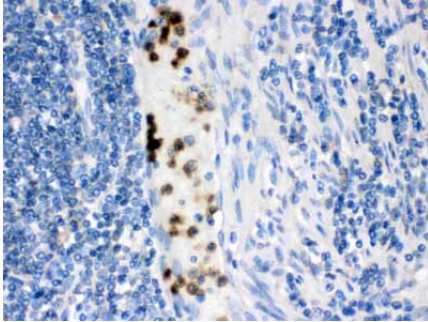
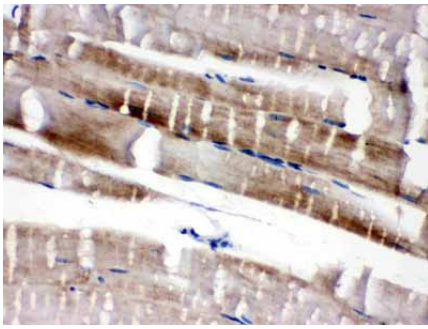


Western blot analysis of Cardiac FABP expression in rat liver extract (lane 1), mouse cardiac muscle extract (lane 2), HELA whole cell lysates (lane 3) and MCF-7 whole cell lysates (lane 4). Cardiac FABP at 15KD was detected using rabbit anti- Cardiac FABP Antigen Affinity purified polyclonal antibody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

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