

Anti-Cardiac FABP Picoband Antibody
Catalog # ABO12445**Specification**

Anti-Cardiac FABP Picoband 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 in Human;Mouse;Rat.

Reconstitution

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

Anti-Cardiac FABP Picoband 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, Mouse, Rat, Human, By Heat
Western blot, 0.1-0.5 µg/ml, Rat, Human

Subcellular Localization

Cytoplasm.

Protein Name

Fatty acid-binding protein, heart

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Na₃.

Immunogen

A synthetic peptide corresponding to a sequence at the N-terminus of human Cardiac FABP (15-48aa KNFDDYMKSLGVGFATRQVASMTKPTTIIIEKNGD), identical to the related mouse and rat sequences.

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 Picoband 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.

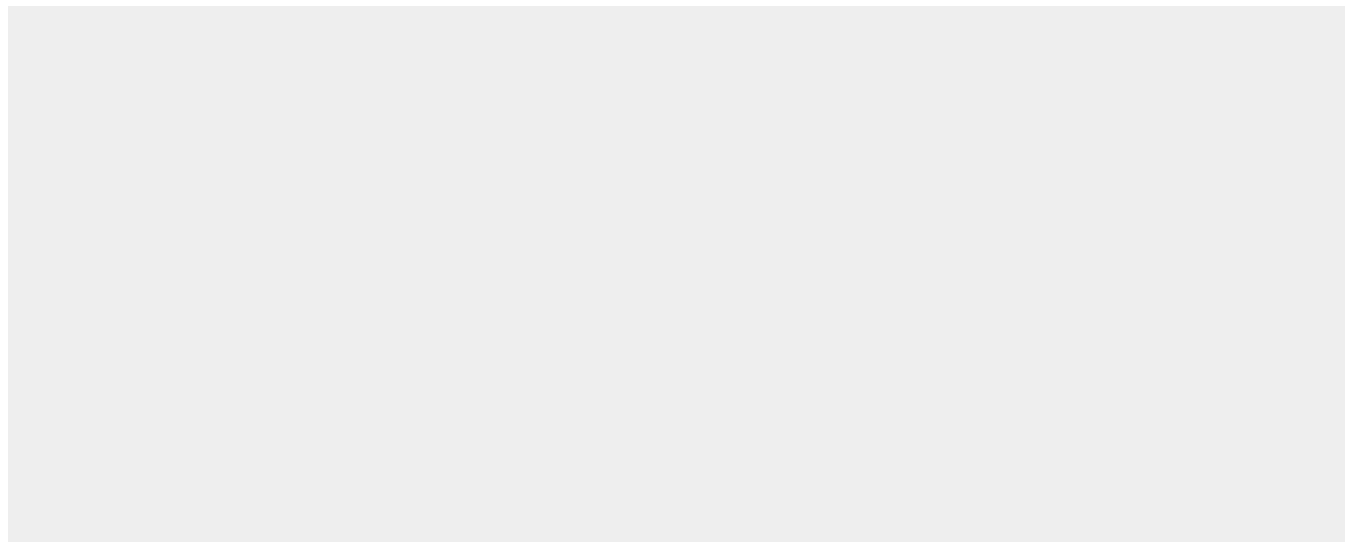
Cellular Location

Cytoplasm.

Anti-Cardiac FABP Picoband Antibody - Protocols

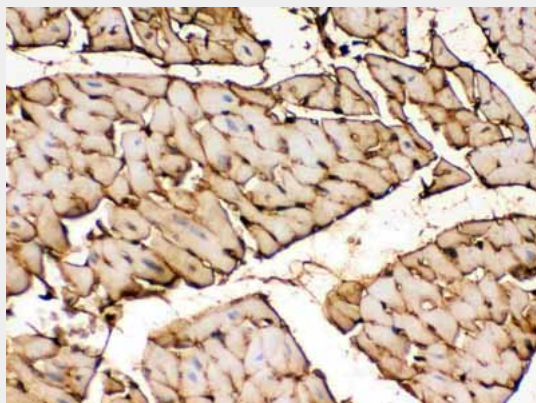
Provided below are standard protocols that you may find useful for product applications.

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

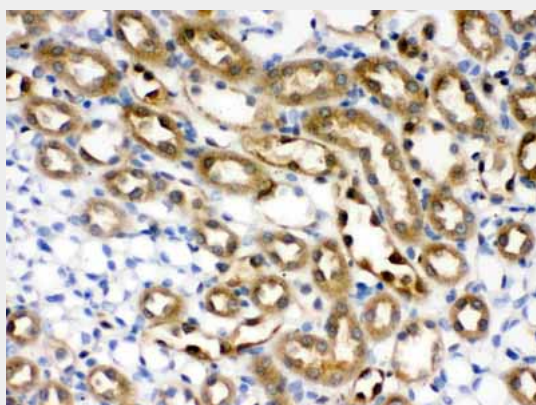
Anti-Cardiac FABP Picoband Antibody - Images



Anti-Cardiac FABP Picoband antibody, ABO12445, Western blotting All lanes: Anti Cardiac FABP (ABO12445) at 0.5ug/ml Lane 1: Rat Liver Tissue Lysate at 50ug Lane 2: Rat Kidney Tissue Lysate at 50ug Predicted bind size: 20KD Observed bind size: 20KD



Anti-Cardiac FABP Picoband antibody, ABO12445, IHC(P) IHC(P): Mouse Cardiac Muscle Tissue



Anti-Cardiac FABP Picoband antibody, ABO12445, IHC(P) IHC(P): Rat Kidney Tissue

Anti-Cardiac FABP Picoband 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) belong 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.