



Rabbit Anti-Cardiac FABP antibody

SL10898R

Product Name:	Cardiac FABP
Chinese Name:	心型脂肪酸Binding protein/脂肪酸Binding protein3抗体
Alias:	heart fatty acid binding protein; Muscle fatty acid binding protein; 422 protein; Cardiac Fatty Acid Binding Protein; FABP 11; FABP 3; FABP11; FABP3; FABPH_HUMAN; Fatty acid binding protein 11; Fatty acid binding protein 3; Fatty acid binding protein 3 muscle and heart; Fatty acid binding protein 3 muscle and heart mammary derived growth inhibitor; Fatty acid binding protein 3 muscle; Fatty acid binding protein 3, muscle and heart (mammary derived growth inhibitor); Fatty acid binding protein 3, muscle; Fatty acid binding protein heart; Fatty acid binding protein, heart; Fatty acid-binding pro
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	15kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	Recombinant human Cardiac FABP:
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed

Fatty acid-binding proteins, designated FABPs, are a family of homologous cytoplasmic proteins that are expressed in a highly tissue-specific manner and play an integral role in the balance between lipid and carbohydrate metabolism. FABPs mediate fatty acid (FA) and/or hydrophobic ligand uptake, transport and targeting within their respective tissues. The mechanisms underlying these actions can give rise to both passive diffusional uptake and protein-mediated transmembrane transport of FAs. FABPs are expressed in adipocytes (A-FABP), brain (B-FABP), epidermis (E-FABP, also designated psoriasis-associated FABP or PA-FABP), muscle and heart (H-FABP, also designated mammary-derived growth inhibitor or MDGI), intestine (I-FABP), liver (L-FABP), myelin (M-FABP) and testis (T-FABP). MDGI is highly expressed in the myocardium, skeletal and smooth muscle fibers, lipid and/or steroid synthesizing cells and terminally differentiated epithelia of the respiratory, intestinal and urogenital tracts.

Function:

FABP are thought to play a role in the intracellular transport of long-chain fatty acids and their acyl-CoA esters.

Subcellular Location:

Cytoplasm.

Similarity:

Belongs to the calycin superfamily. Fatty-acid binding protein (FABP) family.

Product Detail:

SWISS:

P05413

Gene ID:

2170

Database links:

[Entrez Gene: 2170](#)Human

[Entrez Gene: 14077](#)Mouse

[Entrez Gene: 79131](#)Rat

[Omim: 134651](#)Human

[SwissProt: P05413](#)Human

[SwissProt: P11404](#)Mouse

[SwissProt: P07483](#)Rat

[Unigene: 657242](#)Human

[Unigene: 388886](#)Mouse

[Unigene: 32566](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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