



Rabbit Anti-Cardiac FABP antibody

SL11283R

Product Name:	Cardiac FABP
Chinese Name:	心型脂肪酸Binding protein/脂肪酸Binding protein3抗体
Alias:	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 protein 3; Fatty acid-binding protein; H FABP; H-FABP; Heart type fatty acid binding protein; Heart-type fatty acid-binding protein; M FABP; M-FABP; Mammary derived growth inhibitor; Mammary-derived growth inhibitor; MDGI; Muscle fatty acid-binding protein; Mylein protein P2 homolog; O FABP; P2 adipocyte protein.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
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:	KLH conjugated synthetic peptide derived from human FABP3:8-100/133
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
Product Detail:	<p>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.</p> <p>Function: FABP are thought to play a role in the intracellular transport of long-chain fatty acids and their acyl-CoA esters.</p> <p>Subcellular Location: Cytoplasm.</p> <p>Similarity: Belongs to the calycin superfamily. Fatty-acid binding protein (FABP) family.</p> <p>SWISS: P05413</p> <p>Gene ID: 2170</p> <p>Database links:</p> <p>Entrez Gene: 2170 Human</p> <p>Entrez Gene: 14077 Mouse</p> <p>Entrez Gene: 79131 Rat</p> <p>Omim: 134651 Human</p> <p>SwissProt: P05413 Human</p> <p>SwissProt: P11404 Mouse</p>

[SwissProt: P07483](#) Rat

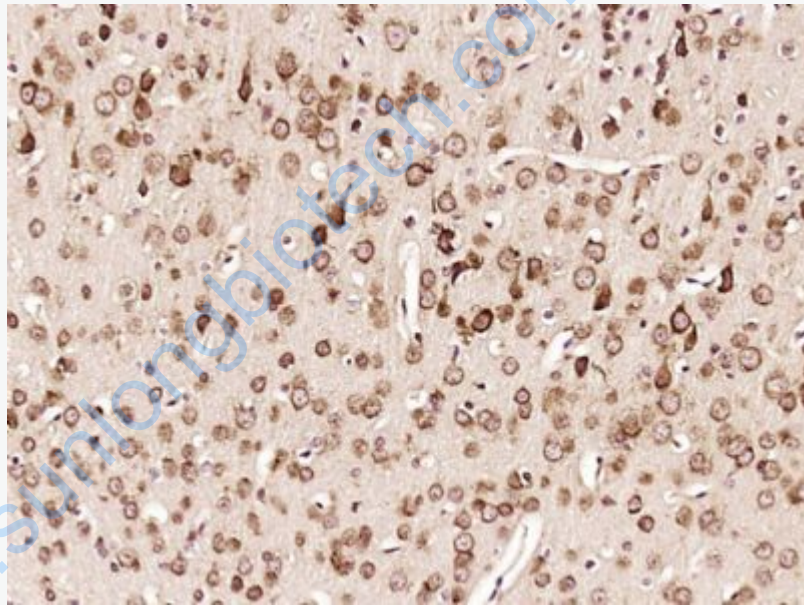
[Unigene: 657242](#) Human

[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.



Picture:

Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Cardiac FABP) Polyclonal Antibody, Unconjugated (SL11283R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.