10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

FABP3 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6528a

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	P05413
Other Accession	P07483, O02772, P11404, P10790
Reactivity	Human
Predicted	Bovine, Pig, Rat, Mouse, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB19633
Calculated MW	14858
Antigen Region	1-30

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
Target/Specificity	This FABP3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human FABP3.
Dilution	WB~~1:2000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	FABP3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

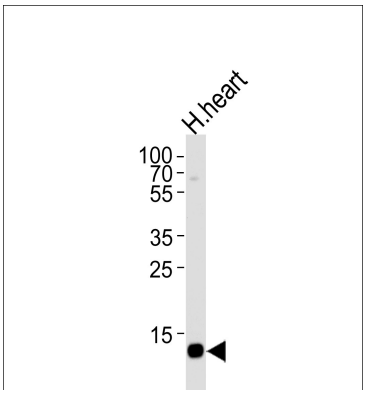
Background

The intracellular fatty acid-binding proteins (FABPs) belongs to a multigene family. FABPs are divided into at least three distinct types, namely the hepatic-, intestinal- and cardiac-type. They form 14-15 kDa proteins and are thought to participate in the uptake, intracellular metabolism and/or transport of long-chain fatty acids. They may also be responsible in the modulation of cell growth and proliferation. Fatty acid-binding protein 3 gene contains four exons and its function is to arrest growth of mammary epithelial cells.

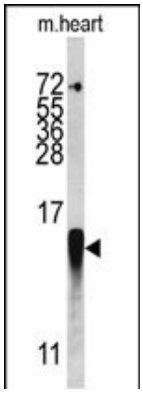
References

Iwayama,Y., Am. J. Med. Genet. B Neuropsychiatr. Genet. (2009)
Lazary,A., Eur. J. Endocrinol. 159 (2), 187-196 (2008)

Images

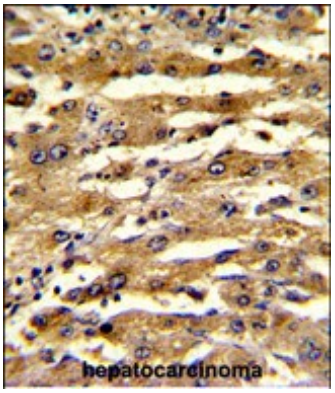


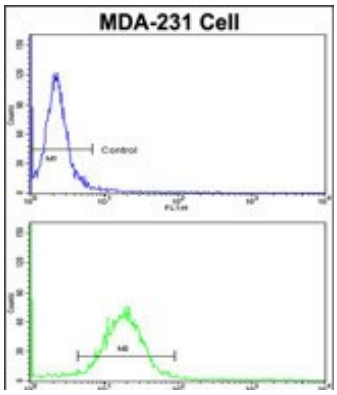
Western blot analysis of lysate from human heart tissue lysate, using FABP3 Antibody (N-term)(Cat. #AP6528a). AP6528a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.



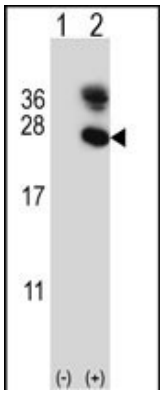
Western blot analysis of FABP3 antibody (N-term) (Cat.# AP6528a) in mouse heart tissue lysates (35ug/lane). FABP3 (arrow) was detected using the purified Pab.

Formalin-fixed and paraffin-embedded human hepatocarcinoma with FABP3 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.





Flow cytometric analysis of MDA-231 cells using FABP3 Antibody (N-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western blot analysis of FABP3 (arrow) using rabbit polyclonal FABP3 Antibody (N-term) (Cat. #AP6528a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the FABP3 gene.

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