

FABP3 Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6528a

Specification

FABP3 Antibody (N-term) - Product Information

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

FABP3 Antibody (N-term) - 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.

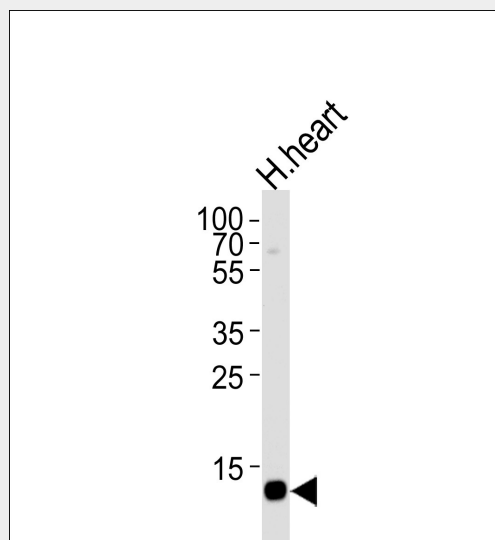
Dilution

WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

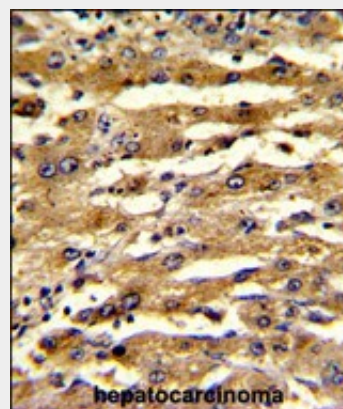
Format

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



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.



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.

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.

FABP3 Antibody (N-term) - Protein Information

Name FABP3

Synonyms FABP11, MDGI

Function

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

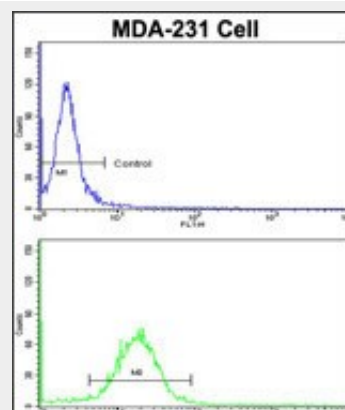
Cellular Location

Cytoplasm.

FABP3 Antibody (N-term) - 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](#)



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.

FABP3 Antibody (N-term) - 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.

FABP3 Antibody (N-term) - References

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