

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

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**FABP3 Antibody (N-term) - Product Information**

Application	WB, IHC-P, FC,E
Primary Accession	<a href="#">P05413</a>
Other Accession	<a href="#">P07483</a> , <a href="#">O02772</a> , <a href="#">P11404</a> , <a href="#">P10790</a>
Reactivity	Human
Predicted	Bovine, Mouse, Pig, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
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  
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.

**FABP3 Antibody (N-term) - 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**

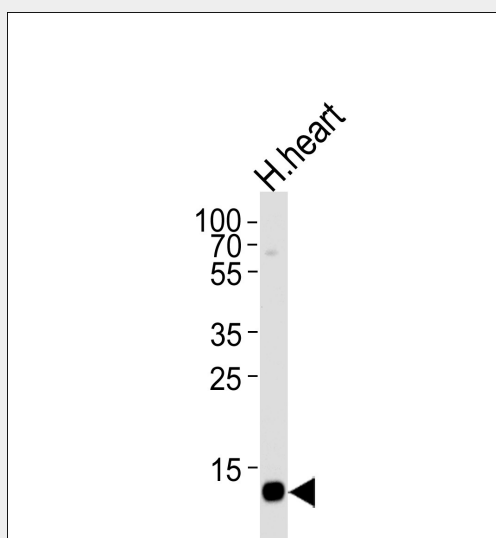
Cytoplasm.

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

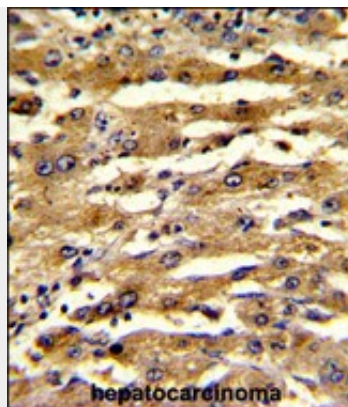
Provided below are standard protocols that you may find useful for product applications.

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

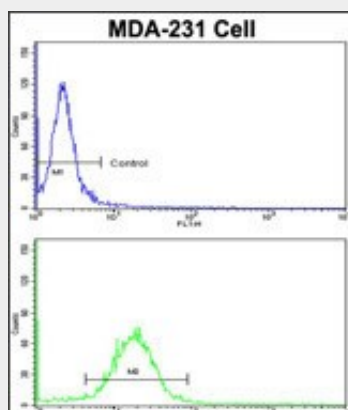
### FABP3 Antibody (N-term) - Images



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.



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.

### **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)