

For Research Use Only

# FABP3 Polyclonal antibody

Catalog Number: 10676-1-AP

Featured Product

24 Publications



## Basic Information

### Catalog Number:

10676-1-AP

### Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG1069

### GenBank Accession Number:

BC007021

### GeneID (NCBI):

2170

### UNIPROT ID:

P05413

### Full Name:

fatty acid binding protein 3, muscle and heart (mammary-derived growth inhibitor)

### Calculated MW:

15 kDa

### Observed MW:

15 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:2000-1:16000

IHC 1:200-1:800

IF-P 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF-P, ELISA

### Cited Applications:

WB, IHC, IF, IP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat, sheep

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

**WB** : mouse heart tissue, rat testis tissue, mouse skeletal muscle tissue, rat heart tissue, rat skeletal muscle tissue

**IHC** : mouse heart tissue, human skin tissue, human lung tissue, human ovary tissue, human breast cancer tissue, human heart tissue

**IF-P** : mouse brain tissue,

## Background Information

FABP3 (fatty-acid-binding protein 3), also known as heart-type FABP or mammary-derived growth inhibitor (MDGI), is a small 15-kDa cytoplasmic protein transporting fatty acids and other lipophilic substances from the cytoplasm to the nucleus. It is most ubiquitously expressed in heart and skeletal muscle.

## Notable Publications

| Author        | Pubmed ID | Journal      | Application |
|---------------|-----------|--------------|-------------|
| Yui Yamamoto  | 30341178  | J Neurosci   | WB          |
| Mingming Song | 34653936  | Biomaterials | WB          |
| An Cheng      | 30496735  | Brain Res    | WB,IF       |

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

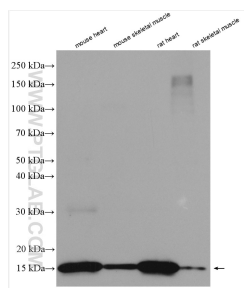
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

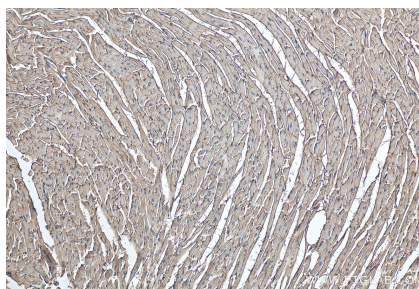
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

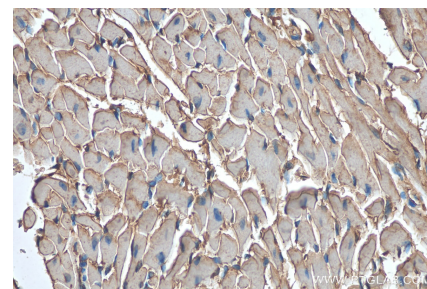
## Selected Validation Data



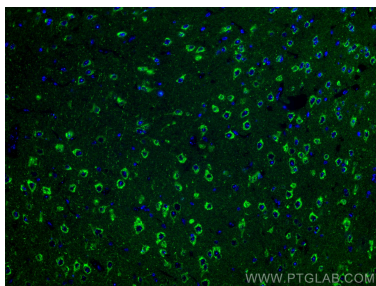
Various lysates were subjected to SDS PAGE followed by western blot with 10676-1-AP (FABP3 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



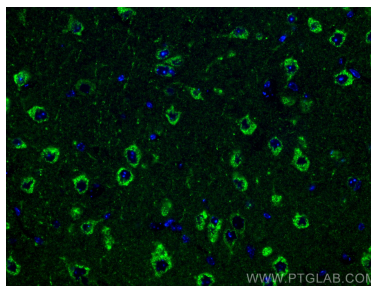
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 10676-1-AP (FABP3 antibody) at dilution of 1:400 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 10676-1-AP (FABP3 antibody) at dilution of 1:400 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using FABP3 antibody (10676-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using FABP3 antibody (10676-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).