

For Research Use Only

# FABP3 Monoclonal antibody

Catalog Number: 60280-1-Ig **3 Publications**



## Basic Information

<b>Catalog Number:</b> 60280-1-Ig	<b>GenBank Accession Number:</b> BC007021	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul, Concentration: 2000 ug/ml by Nanodrop and 1253 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 2170	<b>CloneNo.:</b> 2B5C1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P05413	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:1900-1:7600 IF-P 1:200-1:800
<b>Isotype:</b> IgG2a	<b>Full Name:</b> fatty acid binding protein 3, muscle and heart (mammary-derived growth inhibitor)	
<b>Immunogen Catalog Number:</b> AG21483	<b>Calculated MW:</b> 15 kDa	
	<b>Observed MW:</b> 15 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF-P, ELISA	<b>Positive Controls:</b> WB: human heart tissue, rat heart, mouse heart IHC: human heart tissue, IF-P: mouse heart tissue,
<b>Cited Applications:</b> WB, IF	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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
Tongyan Liu	31746108	J Cell Mol Med	IF
Victor Laigle	34740826	Mol Cell Proteomics	WB
Jinghui Lu	34976793	Front Oncol	WB

## Storage

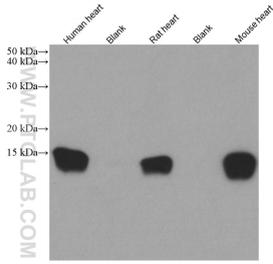
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

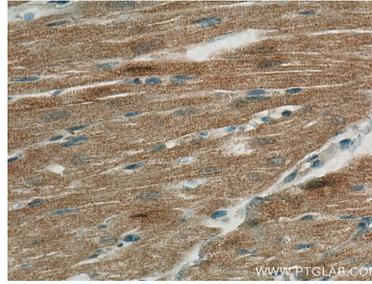
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

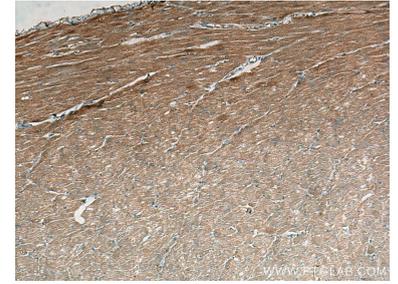
## Selected Validation Data



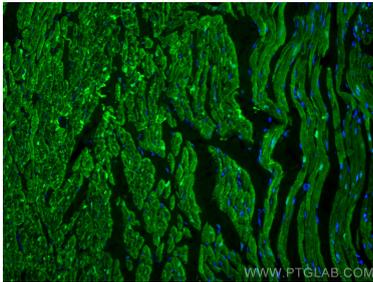
Various lysates were subjected to SDS PAGE followed by western blot with 60280-1-Ig (FABP3 antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours.



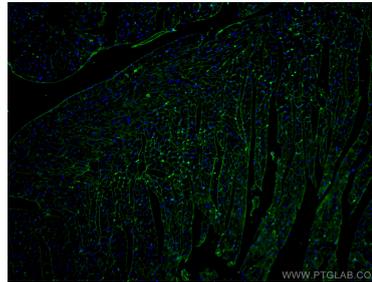
Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 60280-1-Ig (FABP3 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



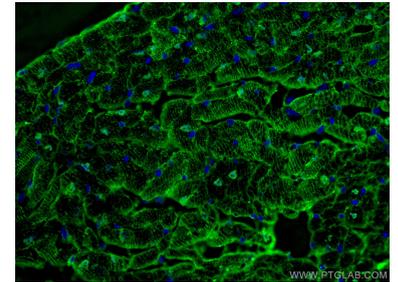
Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 60280-1-Ig (FABP3 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse heart tissue using FABP3 antibody (60280-1-Ig, Clone: 2B5C1) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse heart tissue using FABP3 antibody (60280-1-Ig, Clone: 2B5C1) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse heart tissue using FABP3 antibody (60280-1-Ig, Clone: 2B5C1) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).