

For Research Use Only

FABP3 Monoclonal antibody

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



Basic Information

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

Applications

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

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

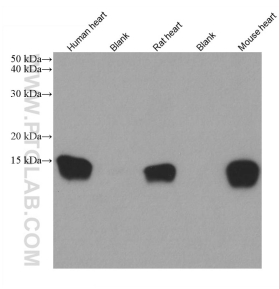
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

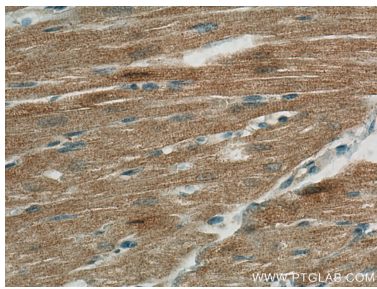
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

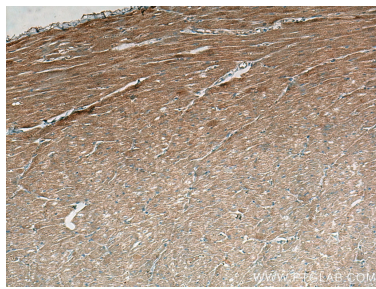
Selected Validation Data



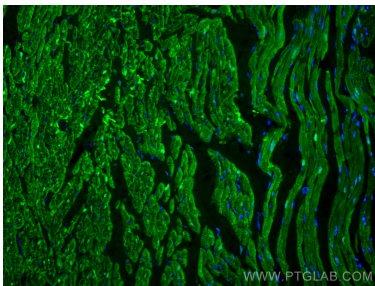
Various lysates were subjected to SDS PAGE followed by western blot with 60280-1-Ig (FABP3 antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours.



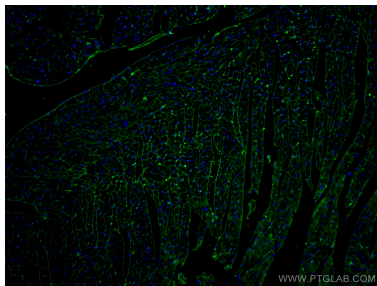
Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 60280-1-Ig (FABP3 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



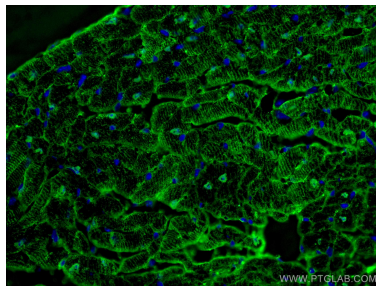
Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 60280-1-Ig (FABP3 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).