

For Research Use Only

FABP3 Polyclonal antibody

Catalog Number: 10676-1-AP

Featured Product

27 Publications



Basic Information

Catalog Number:

10676-1-AP

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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

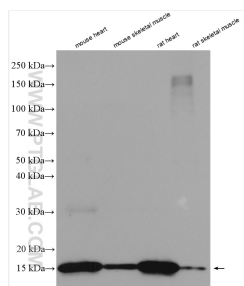
T: 4006900926

E: Proteintech-CN@ptglab.com

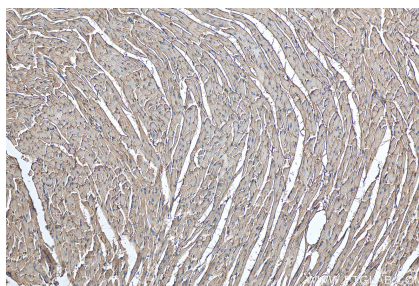
W: ptgcn.com

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

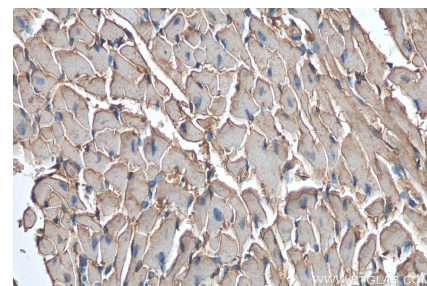
Selected Validation Data



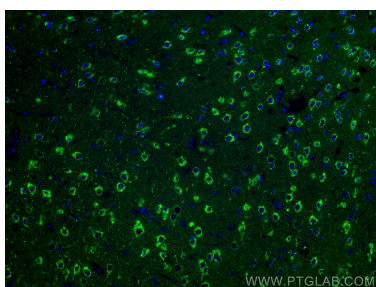
Various lysates were subjected to SDS PAGE followed by western blot with 10676-1-AP (FABP3 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



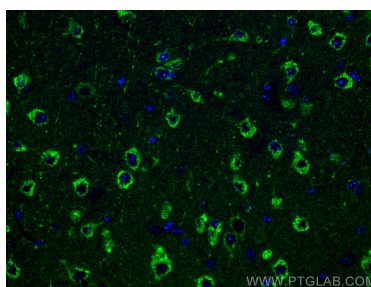
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 10676-1-AP (FABP3 antibody) at dilution of 1:400 (under 10x lens).



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).