

For Research Use Only

FABP3 Recombinant monoclonal antibody

Catalog Number: 86511-3-RR



Basic Information

Catalog Number: 86511-3-RR	GenBank Accession Number: BC007021	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 2170	CloneNo.: 251339C10
Isotype: IgG	UNIPROT ID: P05413	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:500-1:2000
Immunogen Catalog Number: AG1069	Full Name: fatty acid binding protein 3, muscle and heart (mammary-derived growth inhibitor)	
	Calculated MW: 15 kDa	
	Observed MW: 15 kDa	

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse, rat, pig

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: human skeletal muscle tissue, mouse skeletal muscle tissue, human heart tissue, mouse heart tissue, rat heart tissue, pig heart tissue

IHC: human skeletal muscle 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.

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:

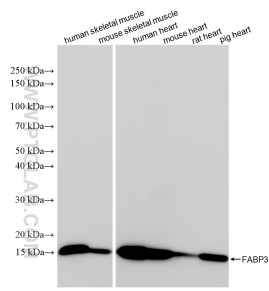
T: 4006900926

E: Proteintech-CN@ptglab.com

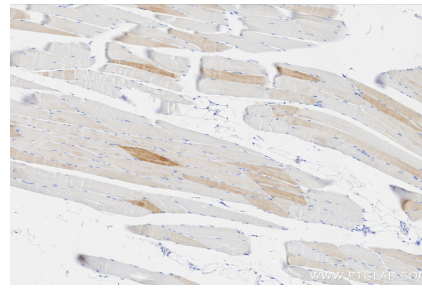
W: ptgcn.com

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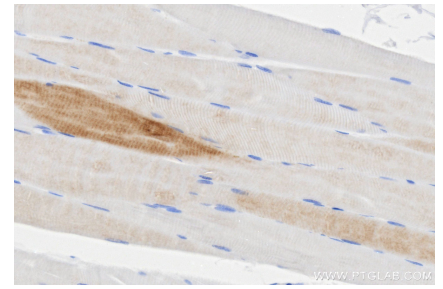
Selected Validation Data



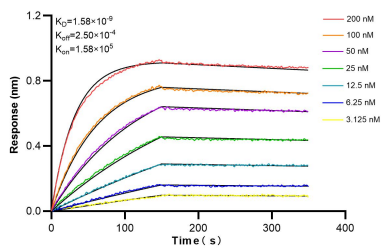
Various lysates were subjected to SDS PAGE followed by western blot with 86511-3-RR (FABP3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 86511-3-RR (FABP3 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 86511-3-RR (FABP3 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 86511-3-RR against Human FABP3 were performed. The affinity constant is 1.58 nM.