

For Research Use Only

FNDC5 Recombinant antibody

Catalog Number: 82671-1-RR



Basic Information

Catalog Number:	82671-1-RR	GenBank Accession Number:	BC062297	Purification Method:	Protein A purification
Size:	100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI):	252995	CloneNo.:	2H3
Source:	Rabbit	UNIPROT ID:	Q8NAU1	Recommended Dilutions:	WB 1:5000-1:50000 IHC 1:50-1:500
Isotype:	IgG	Full Name:	fibronectin type III domain containing 5		
Immunogen Catalog Number:	AG29714	Calculated MW:	212 aa, 24 kDa		
		Observed MW:	25-30 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 : HepG2 cells, C2C12 cells, mouse skeletal muscle tissue, rat skeletal muscle tissue, pig skeletal muscle tissue, mouse stomach tissue, rat stomach tissue

IHC : mouse skeletal muscle tissue,

Background Information

fibronectin type III domain containing 5(FNDC5) encodes 23 kDa protein, which is a membrane protein that is cleaved and secreted as a newly identified hormone, irisin. Exercise-induced FNDC5 gene expression in muscles was accompanied by a parallel increase in the concentration of circulating irisin, which in turn activates adipocyte thermogenic programs, leading to mitochondrial heat production and energy expenditure.

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

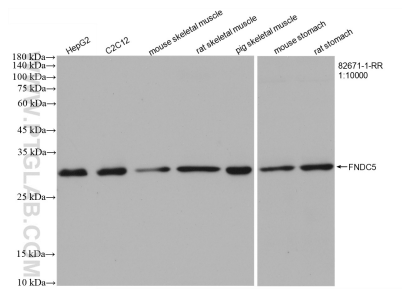
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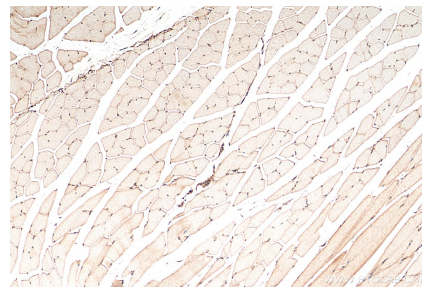
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82671-1-RR (FND5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 82671-1-RR (FND5 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).