

For Research Use Only

# FNDC5 Recombinant antibody

Catalog Number: 82671-1-RR



## Basic Information

<b>Catalog Number:</b> 82671-1-RR	<b>GenBank Accession Number:</b> BC062297	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 252995	<b>CloneNo.:</b> 2H3
<b>Source:</b> Rabbit	<b>Full Name:</b> fibronectin type III domain containing 5	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 212 aa, 24 kDa	
<b>Immunogen Catalog Number:</b> AG29714	<b>Observed MW:</b> 25-30 kDa	

## Applications

**Tested Applications:**  
WB, ELISA

**Species Specificity:**  
Human, mouse, rat, pig

**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

## 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.

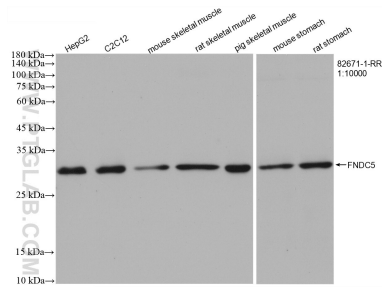
Aliquoting is unnecessary for -20°C storage

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

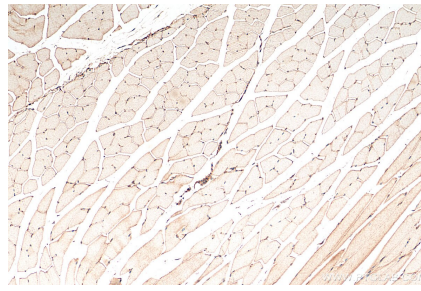
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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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).