SunLong Biotech Co.,LTD
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Mouse Anti-FNDC5 antibody

SLM-51641M

Product Name	FNDC5
Chinese Name	FNDC5 单克隆抗体
Alias	Fibronectin type III domain containing 5; Fibronectin type III domain-containing protein 5; Fibronectin type III repeat containing protein 2; Fibronectin type III repeat-containing protein 2; FNDC 5; FNDC5_HUMAN; FRCP2; Irisin.
Research Area	Cell biology The new supersedes the old
Immunogen Species	Mouse
Clonality	Monoclonal
Clone NO.	F8U6
React Species	Human,
Applications	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	12/20kDa
Cellular localization	cytoplasmic The cell membrane Secretory protein
Form	Liquid
immunogen	KLH conjugated synthetic peptide derived from human FNDC5: 51-150/212 <Extracellular>
Lsotype	IgG1,k
Purification	affinity purified by Protein G
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed
Product Detail	This gene encodes a secreted protein that is released from muscle cells during

exercise. The encoded protein may participate in the development of brown fat. Translation of the precursor protein initiates at a non-AUG start codon at a position that is conserved as an AUG start codon in other organisms. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2013].

Function:
Irisin: mediates beneficial effects of muscular exercise. Induces browning of white adipose tissue by stimulating UCP1 expression, at least in part, via the nuclear receptor PPARA.

Subcellular Location:
Cell membrane; Single-pass type I membrane protein. Peroxisome membrane; Single-pass type I membrane protein. Note=Imported in peroxisomes through the PEX5 receptor pathway.
Irisin: Secreted. Note=Detected in the blood of individuals subjected to endurance exercise.

Post-translational modifications:
Phosphorylated on tyrosine residues by ALK, EGFR, SYK, FYN and ZAP70 (By similarity). Phosphorylated on tyrosine residues in response to FLT1 and KIT signaling. Phosphorylated on tyrosine residues by INSR and FGR. Phosphorylated on several tyrosine residues by constitutively activated FGFR3. Not The extracellular domain is cleaved and released from the cell membrane.
N-Glycosylated.

Similarity:
Contains 1 fibronectin type-III domain..

SWISS:
Q8NAU1

Gene ID:
252995

Database links:

Entrez Gene: 252995 Human

SwissProt: Q8NAU1 Human

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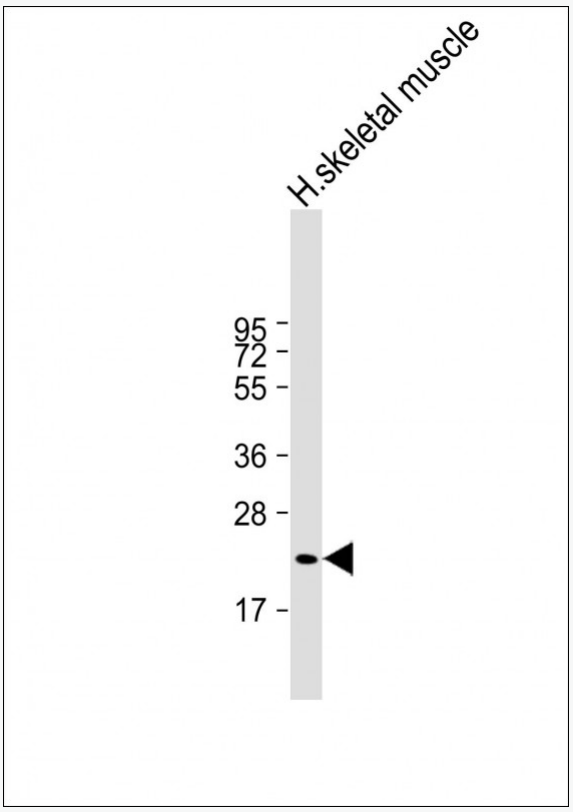
Product Picture



Sample:

Lane 1: Human skeletal muscle tissue lysates

Primary: Anti-FNDC5 (SLM-51641M) at 1/2000 dilution

Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution

Predicted band size: 12/20kD

Observed band size: 22 kD