

# FNDC5 Antibody

Purified Mouse Monoclonal Antibody (Mab) Catalog # AM8591b

#### **Product Information**

ApplicationWB, EPrimary AccessionQ8NAU1ReactivityHumanHostMouseClonalitymonoclonalIsotypeIgG1,k

**Clone Names** 1736CT532.85.53.92

Calculated MW 28283

### **Additional Information**

**Gene ID** 252995

Other Names Fibronectin type III domain-containing protein 5, Fibronectin type III

repeat-containing protein 2, Irisin, FNDC5, FRCP2

**Target/Specificity** This FNDC5 antibody is generated from a mouse immunized with a KLH

conjugated synthetic peptide between 12-152 amino acids from human

FNDC5.

**Dilution** WB~~1:2000 E~~Use at an assay dependent concentration.

**Format** Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is purified through a protein G column, followed by dialysis

against PBS.

**Storage** Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions** FNDC5 Antibody is for research use only and not for use in diagnostic or

therapeutic procedures.

### **Protein Information**

Name FNDC5

Synonyms FRCP2

**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.

**Cellular Location** [Fibronectin type III domain-containing protein 5]: Cell membrane;

Single-pass membrane protein. Peroxisome membrane

{ECO:0000250 | UniProtKB:Q8K4Z2}; Single-pass membrane protein. Note=Imported into peroxisomes through the PEX5 receptor pathway.

{ECO:0000250 | UniProtKB:Q8K4Z2}

**Tissue Location** Widely expressed, with highest levels in heart. Very low expression, if any, in

colon, pancreas and spleen

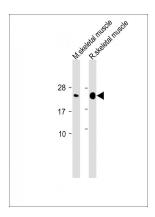
## **Background**

Irisin: Contrary to mouse, may not be involved in the beneficial effects of muscular exercise, nor in the induction of browning of human white adipose tissue.

### References

Ota T., et al. Nat. Genet. 36:40-45(2004). Gregory S.G., et al. Nature 441:315-321(2006). Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases. Bechtel S., et al. BMC Genomics 8:399-399(2007). Bostrom P., et al. Nature 481:463-468(2012).

## **Images**



All lanes: Anti-FNDC5 Antibody at 1:1000 dilution Lane 1: Mouse skeletal muscle lysate Lane 2: Rat skeletal muscle lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Mouse IgG, (H+L), Peroxidase conjugated (ASP1613) at 1/8000 dilution. Observed band size: 24 KDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.