

FNDC5 Antibody
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8591b

Specification

FNDC5 Antibody - Product Information

Application	WB,E
Primary Accession	O8NAU1
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG1,k
Calculated MW	28283

FNDC5 Antibody - 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

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.

FNDC5 Antibody - 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}

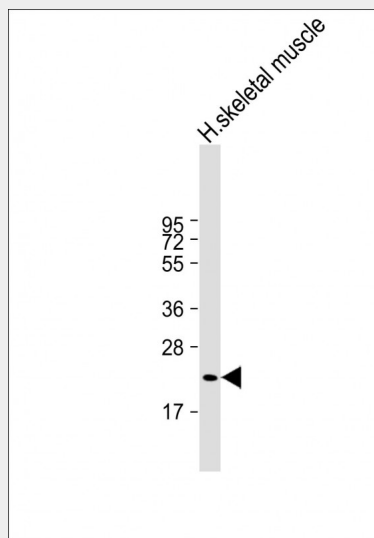
Tissue Location

Widely expressed, with highest levels in heart. Very low expression, if any, in colon, pancreas and spleen

FNDC5 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

FNDC5 Antibody - Images

Anti-FNDC5 Antibody at 1:2000 dilution + human skeletal muscle lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 23 kDa Blocking/Dilution buffer: 5% NFDN/TBST.

FNDC5 Antibody - 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.

FNDC5 Antibody - 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).