

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

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**FNDC5 Antibody - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q8NAU1</a>
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG1,k
Calculated MW	23659

**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]: 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.

**Cellular 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.

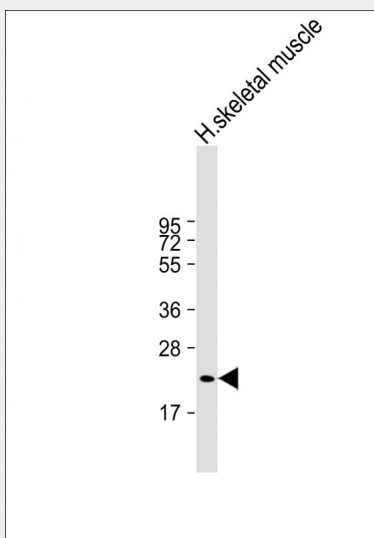
**Tissue Location**

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% NFDm/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).