

**Irisin Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV11191****Specification**

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**Irisin Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q8NAU1</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	23659

**Irisin Antibody - Additional Information****Gene ID** 252995**Application & Usage****Western Blot - 1: 1000 dilution****Other Names**

Fibronectin Type III Domain-containing Protein 5 (cleaved); Fibronectin Type III Repeat-containing Protein 2 (cleaved); FNDC5 (cleaved)

**Target/Specificity**

Irisin

**Antibody Form**

Liquid

**Appearance**

Colorless liquid

**Formulation**

1 mg/ml in PBS containing 10% glycerol and 0.02% sodium azide.

**Handling**

The antibody solution should be gently mixed before use.

**Reconstitution & Storage**

-20 °C

**Background Descriptions****Precautions**

Irisin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Irisin 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

**Irisin 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](#)

**Irisin Antibody - Images**

**Irisin Antibody - Background**

Irisin is a recently described exercise-induced hormone secreted by skeletal muscle in mice and humans. Irisin activates beige fat cells (beige cells have a gene expression pattern distinct from either white or brown fat and are preferentially sensitive to the polypeptide hormone Irisin). Irisin is cleaved from the type I membrane protein FNDC5 and improves systemic metabolism by increasing energy expenditure.