

Anti-Irisin [VAB11 P2C12*C11]

Catalogue number: 158034

Sub-type:

Images:

Contributor

Inventor: Abdo Alnabulsi

Institute: Vertebrate Antibodies Limited

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-Irisin [VAB11 P2C12*C11]

Alternate name:

Class: Monoclonal

Conjugate: Unconjugated

Description: Irisin belongs to the class of adipomyokines since it acts both in adipose and muscle tissue (adipokine and myokine) and is a thermogenic protein that promotes energy expenditure by white adipose tissue (WAT) browning. Irisin is secreted from muscles in response to exercise and may mediate some beneficial effects of exercise in humans, such as weight loss and thermoregulation. Irisin is a cleavage protein of fibronectin type III domain 5 (FNDC5). FNDC5 converts to irisin after exercise. Irisin dissipates energy as heat and for this reason its discovery has generated a flurry of research aimed at understanding the mechanisms of energy metabolism. Irisin is expected to be a potential therapeutic agent for the treatment of obesity and its related conditions. This tool is significant as the peptide immunogen used to generate antibodies is conserved across all vertebrates.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG

Reactivity: Human

Selectivity:

Host: Mouse

Immunogen: Ovalbumin-conjugated synthetic peptide. Peptide immunogen is conserved across all vertebrates.

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls: ELISA: peptide immunogen, recombinant protein WB: recombinant protein

IHC: formalin-fixed, paraffin-embedded multi-tissue microarray

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Irisin

Target alternate names:

Target background: Irisin belongs to the class of adipomyokines since it acts both in adipose and muscle tissue (adipokine and myokine) and is a thermogenic protein that promotes energy expenditure by white adipose tissue (WAT) browning. Irisin is secreted from muscles in response to exercise and may mediate some beneficial effects of exercise in humans, such as weight loss and thermoregulation. Irisin is a cleavage protein of fibronectin type III domain 5 (FNDC5). FNDC5 converts to irisin after exercise. Irisin dissipates energy as heat and for this reason its discovery has generated a flurry of research aimed at understanding the mechanisms of energy metabolism. Irisin is expected to be a potential therapeutic agent for the treatment of obesity and its related conditions. This tool is significant as the peptide immunogen used to generate antibodies is conserved across all vertebrates.

Molecular weight: 12

Ic50:

Applications

Application: ELISA ; IHC ; WB

Application notes:

Handling

Format: Liquid

Concentration:

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions:

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References:

CancerTools.org