FNDC5 Antibody (RQ4463)

Catalog No.	Formulation	Size
RQ4463	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q8NAU1
Localization	Cell membrane
Applications	Western blot: 0.5-1ug/ml Direct ELISA: 0.1-0.5ug/ml (human recombinant protein)
Limitations	This FNDC5 antibody is available for research use only.



Western blot testing of 1) rat heart and 2) mouse heart lysate with FNDC5 antibody at 0.5ug/ml. Predicted molecular weight ~23 kDa.

Description

Fibronectin type III domain-containing protein 5, the precursor of irisin, is a protein that is encoded by the FNDC5 gene. This gene encodes a secreted protein that is released from muscle cells during exercise. The encoded protein may participate in the development of brown fat. Translation of the precursor protein initiates at a non-AUG start codon at a position that is conserved as an AUG start codon in other organisms. Alternative splicing results in multiple transcript

variants.

Application Notes

Optimal dilution of the FNDC5 antibody should be determined by the researcher.

Immunogen

Human recombinant protein (amino acids D32-E143) was used as the immunogen for the FNDC5 antibody.

Storage

After reconstitution, the FNDC5 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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