

Datasheet for ABIN6654179
anti-FNDC5 antibody (AA 32-143)



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Overview

Quantity:	100 µg
Target:	FNDC5
Binding Specificity:	AA 32-143
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FNDC5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Human recombinant protein (amino acids D32-E143) was used as the immunogen for the FNDC5 antibody.
Isotype:	IgG
Purification:	Antigen affinity purified

Target Details

Target:	FNDC5
Alternative Name:	FNDC5 (FNDC5 Products)
Background:	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

Target Details

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.

UniProt:	Q8NAU1
Pathways:	Hormone Activity, Brown Fat Cell Differentiation, Positive Regulation of fat Cell Differentiation

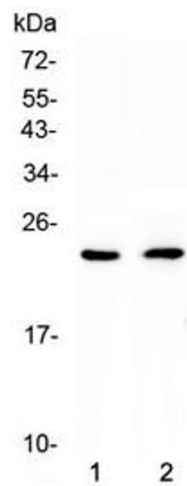
Application Details

Application Notes:	Optimal dilution of the FNDC5 antibody should be determined by the researcher.\. Western blot: 0.5-1 µg/mL,Direct ELISA: 0.1-0.5 µg/mL (human recombinant protein)
Restrictions:	For Research Use only

Handling

Buffer:	0.5 mg/mL if reconstituted with 0.2 mL sterile DI water
Storage:	-20 °C
Storage Comment:	After reconstitution, the FNDC5 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



Western Blotting

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