

FNDC5 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP8746b

Product Information

Application	WB, FC, E
Primary Accession	Q8NAU1
Other Accession	Q8K3V5 , Q8K4Z2 , Q1L867
Reactivity	Human
Predicted	Zebrafish, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB44027
Calculated MW	28283
Antigen Region	159-185

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 rabbits immunized with a KLH conjugated synthetic peptide between 159-185 amino acids from the C-terminal region of human FNDC5.
Dilution	WB~~1:1000 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
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 (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

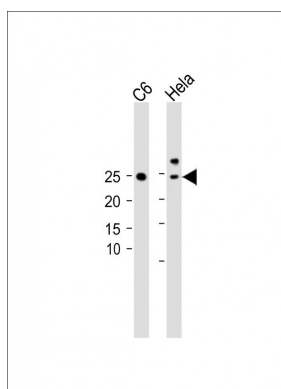
Name	FNDC5
Synonyms	FRCP2

Function	[Irisin]: Mediates beneficial effects of muscular exercise. Induces browning of white adipose tissue by stimulating UCP1 expression, at least in part, via the nuclear receptor PPARA.
Cellular Location	[Fibronectin type III domain-containing protein 5]: Cell membrane; Single-pass membrane protein. Peroxisome membrane {ECO:0000250 UniProtKB:Q8K4Z2}; Single-pass membrane protein. Note=Imported into peroxisomes through the PEX5 receptor pathway. {ECO:0000250 UniProtKB:Q8K4Z2}
Tissue Location	Widely expressed, with highest levels in heart. Very low expression, if any, in colon, pancreas and spleen

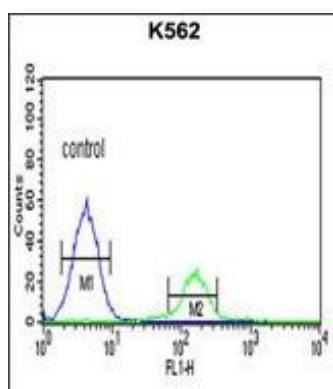
References

Teufel,A., et.al., Gene 297 (1-2), 79-83 (2002)

Images



All lanes: Anti-FNDC5 Antibody (C-term) at 1:1000 dilution
Lane 1: C6 whole cell lysate Lane 2: HeLa whole cell lysate
Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 24 KDa
Blocking/Dilution buffer: 5% NFDM/TBST.



FNDC5 Antibody (C-term) (Cat. #AP8746b) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Citations

- [Irisin: Still chasing shadows](#)
- [Browning of subcutaneous fat and higher surface temperature in response to phenotype selection for advanced endurance exercise performance in male DUhTP mice.](#)
- [The role of sex, adiposity, and gonadectomy in the regulation of irisin secretion.](#)