10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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, Bovine, Canine, Rabbit, Chicken
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

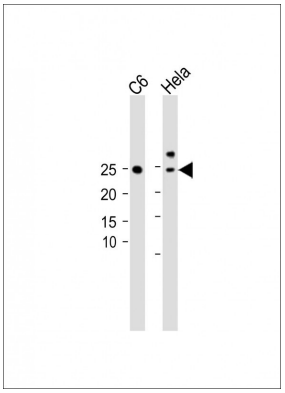
Name	FNDC5
Synonyms	FRCP2

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

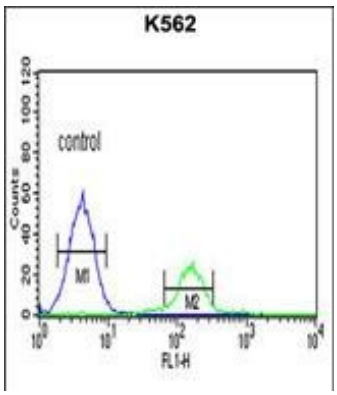
References

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
- The role of sex, adiposity, and gonadectomy in the regulation of irisin secretion.
- Browning of subcutaneous fat and higher surface temperature in response to phenotype selection for advanced endurance exercise performance in male DUhTP mice.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.