

[Primary Antibody]

FNDC5 Rabbit pAb



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ANTIBODIES

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— DATASHEET

Host: Rabbit

Isotype: IgG

Applications: WB (1:500-2000)

Clonality: Polyclonal

GeneID: 252995

SWISS: O8NAU1

Target: FNDC5

Immunogen: KLH conjugated synthetic peptide derived from human FNDC5: 81-143/212.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

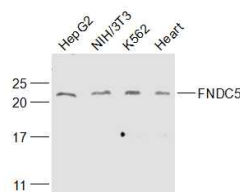
Background: This gene encodes a secreted protein that is released from muscle cells during exercise. The encoded protein may participate in the development of brown fat. Translation of the precursor protein initiates at a non-AUG start codon at a position that is conserved as an AUG start codon in other organisms. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2013].

Reactivity: Human, Mouse
(predicted: Rat, Rabbit,
Chicken, Dog)

Predicted MW.: 12/20 kDa

Subcellular Location: Secreted ,Cell membrane
Location: ,Cytoplasm

— VALIDATION IMAGES



Sample: HepG2(Human) Cell Lysate at 30 ug
NIH/3T3(Mouse) Cell Lysate at 30 ug
K562(Human) Lysate at 30 ug Heart (Mouse)
Lysate at 40 ug Primary: Anti-FNDC5 (bs-8486R)
at 1/1000 dilution Secondary: IRDye800CW Goat
Anti-Rabbit IgG at 1/20000 dilution Predicted
band size: 12/20 kD Observed band size: 20 kD

— SELECTED CITATIONS

- **[IF=7.31]** Chen Taiqiu. et al. Irisin Ameliorates Intervertebral Disc Degeneration by Activating LATS/YAP/CTGF Signaling. OXID MED CELL LONGEV. 2022;2022:9684062 WB ;Human. 35915608
- **[IF=6.208]** Chuanxi Tang. et al. Treadmill Exercise Alleviates Cognition Disorder by Activating the FNDC5: Dual Role of Integrin α 5 β 1 in Parkinson's Disease. INT J MOL SCI. 2023 Jan;24(9):7830 WB,CoIP ;Mouse,Mouse. 37175535
- **[IF=6.081]** Daniel Norman. et al. Irisin—A Pancreatic Islet Hormone. Biomedicines. 2022 Feb;10(2):258 IHC ;Rat,Human. 10.3390/biomedicines10020258
- **[IF=6.291]** Shou-En Wu. et al. Benzo[a]pyrene exposure in muscle triggers sarcopenia through aryl hydrocarbon receptor-mediated reactive oxygen species production. ECOTOX ENVIRON SAFE. 2022 Jul;239:113599 WB ;Mouse. 35567930
- **[IF=5.895]** Guangning Kou. et al. Sesamin Activates Skeletal Muscle FNDC5 Expression and Increases Irisin Secretion via

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the SIRT1 Signaling Pathway. J AGR FOOD CHEM. 2022;XXXX(XXX):XXX-XXX IF,IHC,WB ;Mouse. 35708276