

bs-8486R**[Primary Antibody]****BioSS**
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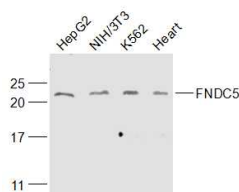
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FNDC5 Rabbit pAb**— DATASHEET —**

Host: Rabbit Clonality: Polyclonal GeneID: 252995 Target: FNDC5 Immunogen: KLH conjugated synthetic peptide derived from human FNDC5: 81-143/212. < Extracellular > 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].	Isotype: IgG SWISS: Q8NAU1	Applications: WB (1:500-2000) Reactivity: Human, Mouse (predicted: Rat, Rabbit, Chicken, Dog) Predicted MW.: 12/20 kDa Subcellular Location: Secreted ,Cell membrane ,Cytoplasm
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— 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