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## FNDC1 Rabbit pAb

Catalog Number: bs-8460R

Target Protein: FNDC1

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:50-200), ELISA (1:5000-10000)

Reactivity: (predicted:Human, Mouse, Rat, Rabbit, Sheep, Cow, Dog, Horse)

Predicted MW: 202 kDa

Entrez Gene: 84624

Source: KLH conjugated synthetic peptide derived from human FNDC1: 21-120/1894.

Purification: affinity purified by Protein A

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:** FNDC1, also known as MEL4B3, Ags8, Expressed in synovial lining protein and Activation-associated cDNA protein, is a 1888 amino acid secreted protein that contains five fibronectin type-III domains. FNDC1 is moderately expressed in skeletal muscle, pancreas, heart, kidney, spinal cord, ovary and lung. Expression of FNDC1 is induced in response to hypoxia in ventricular cardiomyocytes. Since FNDC1 interacts with G $\beta$  and G $\gamma$ , it is likely that FNDC1 is an activator for G-protein signaling. Though normally absent in healthy skin, FNDC1 expression is induced by TGF-beta signaling in skin tumors and psoriasis. There are two isoforms of FNDC1 that are produced as a result of alternative splicing events.

### PRODUCT SPECIFIC PUBLICATIONS

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[IF=9.4] ZhangRui Xin. et al. FNDC1 is a myokine that promotes myogenesis and muscle regeneration. EMBO J. 2024 Nov 20  
WB,IF,CoIP ; Mouse . 39567831

[IF=4.848] Jiang T et al. FNDC1 Promotes the Invasiveness of Gastric Cancer via Wnt/ $\beta$ -Catenin Signaling Pathway and Correlates With  
Peritoneal Metastasis and PrognosisFront Oncol.2020 Dec 17;10:590492. IHC ; Human . 33392086