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Rabbit Anti-FNDC3B/APC Conjugated antibody

SL8487R-APC

Product Name	Anti-FNDC3B/APC
Chinese Name	APC 标记的III型纤维连接蛋白域蛋白 3B 抗体
Alias	Factor for adipocyte differentiation 104; FAD104; fibronectin type III domain containing 3B; FLJ23399; HCV NS5A binding protein 37; NS5ABP37; YVTM2421; MGC10002; PRO4979; DKFZp686D14170; DKFZp762K137; FND3B_HUMAN.
Research Area	Tumour Cell biology immunology Signal transduction Stem cells
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Dog,Pig,Rabbit,Sheep)
Applications	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	133kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human FNDC3B
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	**background:** Adipogenesis, the process of transforming pre-adipocytes into mature fat cells, is of particular interest due to the role adipocytes play in obesity and type II diabetes. Adipocytes have been shown to affect a variety of functions,

including hemostasis, angiogenesis and energy balance, by secreting hormones and bioactive peptides. The FNDC3B protein, also designated FAD104 (factor for adipocyte differentiation 104) or HCV NS5A-binding protein 37, is expressed during early adipogenesis. Belonging to the FNDC3 family of proteins, FNDC3B is a 1,204 amino acid protein that contains nine fibronectin type-III domains. FNDC3B-deficient mice die within one day of birth, suggesting that FNDC3B is crucial for postpartum survival. Mouse embryonic fibroblasts (MEFs) with loss of FNDC3B function displayed a reduction in stress fiber formation, indicating a role for FNDC3B in cell proliferation, adhesion, spreading and migration.

Function:
May be a positive regulator of adipogenesis.

Subcellular Location:
Membrane; Single pass membrane protein

Tissue Specificity:
Predominantly expressed in white adipose tissue (WAT) especially in the stromal vascular cells. Expressed in adipocyte differentiable 3T3-L1 cells but not in the non-adipogenic cell line NIH-3T3. Expression increased in the early stage of adipogenesis.

Similarity:
Belongs to the FNDC3 family.
Contains 9 fibronectin type-III domains.

Database links:
UniProtKB/Swiss-Prot: Q53EP0.2

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.