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Rabbit Anti-FNDC3B antibody

SL8487R

Product Name:	FNDC3B
Chinese Name:	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.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	133kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human FNDC3B:921-1020/1204
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% 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 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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.

SWISS:
Q53EP0

Gene ID:
64778

Database links:

Entrez Gene: 64778Human

Omim: 611909Human

SwissProt: Q53EP0Human

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