

FNDC3B Rabbit pAb

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Catalog # AP59018

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q53EP0
Predicted	Rat, Pig, Dog, Human, Mouse, Rabbit, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	132888
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FNDC3B
Epitope Specificity	921-1020/1204
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane; Single pass membrane protein
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	64778
Other Names	Fibronectin type III domain-containing protein 3B, Factor for adipocyte differentiation 104, HCV NS5A-binding protein 37, FNDC3B, FAD104, NS5ABP37
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	FNDC3B
Synonyms	FAD104, NS5ABP37
Function	May be a positive regulator of adipogenesis.
Cellular Location	Membrane; Single-pass membrane protein
Tissue Location	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

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.