FNDC3B Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	FNDC3B, Polyclonal Antibody
Full Product Name	FNDC3B Conjugated Antibody
Product Gene Name	anti-FNDC3B antibody
Product Synonym Names	FAD104; PRO4979; YVTM2421
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	The antibody detects endogenous levels of total FNDC3B protein.
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	7,844 Da
OMIM	611909
3D Structure	ModBase 3D Structure for Q53EP0
Immunogen	Full length fusion protein of human FNDC3B
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-FNDC3B antibody	Most Applications
Application Notes for anti-FNDC3B antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-FNDC3B antibody	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.
Other Notes	Small volumes of anti-FNDC3B antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for FNDC3B purchase	MBS9451226 is an antibody targeting FNDC3B. Also known as FNDC3B Conjugated Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FNDC3B. It may not necessarily be applicable to this product.

NCBI GI #	15636661
NCBI GeneID	64778
NCBI Accession #	BC012204
UniProt Primary Accession #	Q53EP0
UniProt Secondary Accession #	Q5U5T8; Q6PIJ3; Q6UXG1; Q6UXZ5; Q8IXB2; Q8NBU7; Q96D78; Q9H5I7; B2RB36; B3KXR8; D3DNQ7
UniProt Related Accession #	Q53EP0
NCBI Official Full Name	Homo sapiens fibronectin type III domain containing 3B, mRNA
NCBI Official Synonym Full Names	fibronectin type III domain containing 3B
NCBI Official Symbol	FNDC3B
NCBI Official Synonym Symbols	FAD104; PRO4979; YVTM2421
UniProt Protein Name	Fibronectin type III domain-containing protein 3B
UniProt Synonym Protein Names	Factor for adipocyte differentiation 104; HCV NS5A-binding protein 37
Protein Family	Fibronectin type III domain-containing protein
UniProt Gene Name	FNDC3B
UniProt Synonym Gene Names	FAD104; NS5ABP37
UniProt Entry Name	FND3B_HUMAN
NCBI Protein Information	fibronectin type III domain-containing protein 3B
UniProt Comments for FNDC3B	FNDC3B: May be a positive regulator of adipogenesis. Belongs to the FNDC3 family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 3q26.31 Cellular Component: integral to membrane
Research Articles on FNDC3B	**1.** fad104 suppressed the invasion and metastasis of melanoma cells by inhibiting activation of the STAT3 signaling pathway
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