Anti-FNDC3B antibody

Cat. No.	ml123640
Package	25 μl/100 μl/200 μl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-FNDC3B rabbit polyclonal antibody
Applications	ELISA, IHC
Immunogen	Full length fusion protein
Reactivity	Human, Mouse
Content	1.8 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	FNDC3B
Full name	fibronectin type III domain containing 3B
Synonyms	FAD104; PRO4979; YVTM2421
Swissprot	Q53EP0

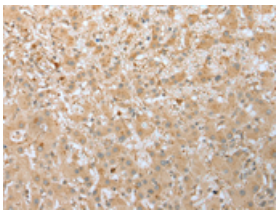
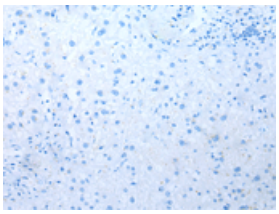
Target Background

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.

Applications

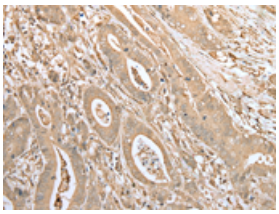
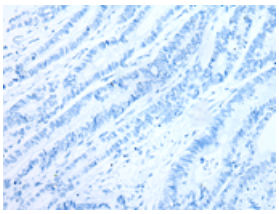
Immunohistochemistry

Predicted cell location: Cytoplasm
Positive control: Human liver cancer
Recommended dilution: 30-150

The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using ml123640(FNDC3B Antibody) at dilution 1/45, on the right is treated with fusion protein. (Original magnification: ×200)

Predicted cell location: Cytoplasm
Positive control: Human gastric cancer
Recommended dilution: 30-150

The image on the left is immunohistochemistry of paraffin-embedded Human gastric cancer tissue using ml123640(FNDC3B Antibody) at dilution 1/45, on the right is treated with fusion protein. (Original magnification: ×200)

ELISA

Recommended dilution: 5000-10000

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