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Datasheet for ABIN1399325

**anti-FNDC3B antibody (AA 921-1020) (Alexa Fluor 555)**

## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL   |
| Target:              | FNDC3B   |
| Binding Specificity: | AA 921-1020  |
| Reactivity:          | Human  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This FNDC3B antibody is conjugated to Alexa Fluor 555  |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |  |
|-----------------------|--|
| Immunogen:            | KLH conjugated synthetic peptide derived from human FNDC3B |
| Isotype:              | IgG  |
| Predicted Reactivity: | Human, Mouse, Rat, Dog, Sheep, Pig, Rabbit                 |
| Purification:         | Purified by Protein A.                                     |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | FNDC3B  |
| Alternative Name: | FNDC3B ( <a href="#">FNDC3B Products</a> )  |
| Background:       | Synonyms: Factor for adipocyte differentiation 104, FAD104, fibronectin type III domain |

## Target Details

containing 3B, FLJ23399, HCV NS5A binding protein 37, NS5ABP37, YVTM2421, MGC10002, PRO4979, DKFZp686D14170, DKFZp762K137, FND3B\_HUMAN.

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.

Gene ID: 64778

Pathways: [Positive Regulation of fat Cell Differentiation](#)

## Application Details

Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Handling

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Expiry Date: 12 months