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Datasheet for ABIN6977118

**anti-MCFD2 antibody (AA 1-100) (Alexa Fluor 350)**

## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL   |
| Target:              | MCFD2  |
| Binding Specificity: | AA 1-100   |
| Reactivity:          | Rat, Mouse   |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This MCFD2 antibody is conjugated to Alexa Fluor 350   |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                   |   |
|-------------------|---|
| Immunogen:        | KLH conjugated synthetic peptide derived from mouse MCFD2 |
| Isotype:          | IgG   |
| Cross-Reactivity: | Mouse, Rat  |
| Purification:     | Purified by Protein A.                                    |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | MCFD2   |
| Alternative Name: | MCFD2 ( <a href="#">MCFD2 Products</a> )                                |
| Background:       | Synonyms: 1810021C21Rik, DKFZp686G21263, F5F8D, LMAN1IP, MCFD 2, Mcfd2, |

## Target Details

MCFD2\_MOUSE, Multiple coagulation factor deficiency protein 2, Neural stem cell derived neuronal survival protein, Neural stem cell-derived neuronal survival protein, SDNSF.

Background: This gene encodes a soluble luminal protein with two calmodulin-like EF-hand motifs at its C-terminus. This protein forms a complex with LAMN1 (lectin mannose binding protein 1, also known as ERGIC-53) that facilitates the transport of coagulation factors V (FV) and VIII (FVIII) from the endoplasmic reticulum to the Golgi apparatus via an endoplasmic reticulum Golgi intermediate compartment (ERGIC). Mutations in this gene cause combined deficiency of FV and FVIII (F5F8D), a rare autosomal recessive bleeding disorder characterized by mild to moderate bleeding and coordinate reduction in plasma FV and FVIII levels. This protein has also been shown to maintain stem cell potential in adult central nervous system and is a marker for testicular germ cell tumors. The 3' UTR of this gene contains a transposon-like human repeat element named 'THE 1'. A processed RNA pseudogene of this gene is on chromosome 6p22.1. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jun 2010]

Gene ID: 193813

UniProt: [Q8K5B2](#)

## 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

Handling

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|                  |   |
|------------------|---|
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
| Expiry Date:     | 12 months   |