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Datasheet for ABIN6155395

**anti-FAT Atypical Cadherin 2 (FAT2) antibody (CF®640R)**

## Overview

Quantity:	100 µL
Target:	FAT Atypical Cadherin 2 (FAT2)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	CF®640R
Application:	Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (IHC)

## Product Details

Purpose:	Mouse Monoclonal anti-Protocadherin-FAT2 (8C5), CF640R Conjugate
Immunogen:	Purified recombinant human FAT2 fusion protein
Clone:	8C5
Isotype:	IgG1 kappa
Characteristics:	<p>This antibody recognizes a protein of 480 kDa, which is identified as FAT2. The cadherins represent a family of Ca<sup>2+</sup>-dependent adhesion molecules that function to mediate cell-to-cell binding that is critical for the maintenance of structure and morphogenesis. Cadherins each contain a large extracellular domain at the N-terminus, which is characterized by a series of five homologous repeats, the most distal of which is thought to be responsible for binding specificity. The relatively short C-terminal intracellular domain interacts with a variety of cytoplasmic proteins, including <math>\beta</math>-catenin, to regulate cadherin function. The cadherin superfamily includes cadherins, protocadherins, desmogleins and desmocollins. FAT2 (FAT</p>

## Product Details

tumor suppressor homolog 2) is a single-pass type I membrane protein that belongs to the protocadherin subfamily of cadherins. FAT2 contains one Laminin G-like domain, two EGF-like domains and 32 cadherin domains and is believed to function as a cell adhesion molecule, controlling cell proliferation and playing an important role in cerebellum development. Primary antibodies are available purified, or with a selection of fluorescent CF® dyes and other labels. CF® dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

## Target Details

Target:	FAT Atypical Cadherin 2 (FAT2)
Alternative Name:	Protocadherin-FAT2 ( <a href="#">FAT2 Products</a> )
Molecular Weight:	480 kDa
Gene ID:	2196, 591255
UniProt:	<a href="#">Q9NYQ8</a>

## Application Details

Application Notes:	Immunohistology (formalin) 0.5-1 µg/mL <ul style="list-style-type: none"><li>• Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min</li><li>• Flow Cytometry 0.5-1 µg/million cells/0.1 mL</li><li>• Immunofluorescence 1-2 µg/mL</li><li>• Optimal dilution for a specific application should be determined by user</li></ul>
Comment:	Esophagus, Cervix, Uterus, Tonsil or Cerebellum.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	100 µg/mL
Buffer:	PBS/0.1 % BSA/0.05 % azide
Preservative:	Sodium azide

## Handling

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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Handling Advice:	Protect from light
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