antibodies.com

Datasheet for ABIN6155391 anti-FAT Atypical Cadherin 2 (FAT2) antibody (CF®405S)



Overview

Overview	
Quantity:	100 µL
Target:	FAT Atypical Cadherin 2 (FAT2)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	CF®405S
Application:	Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (IHC)
Product Details	
Purpose:	Mouse Monoclonal anti-Protocadherin-FAT2 (8C5), CF405S Conjugate
Immunogen:	Purified recombinant human FAT2 fusion protein
Clone:	8C5
lsotype:	lgG1 kappa
Characteristics:	This antibody recognizes a protein of 480 kDa, which is identified as FAT2. The cadherins represent a family of Ca2 -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 ?-catenin, to regulate cadherin function. The cadherin superfamily includes cadherins, protocadherins, desmogleins and desmocollins. FAT2 (FAT

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN6155391 | 09/10/2023 | Copyright antibodies-online. All rights reserved. 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 (FAT2 Products)
Molecular Weight:	480 kDa
Gene ID:	2196, 591255
UniProt:	Q9NYQ8

Application Details

Application Notes:	Immunohistology (formalin) 0.5-1 µg/mL
	 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
	 Flow Cytometry 0.5-1 µg/million cells/0.1 mL
	 Immunofluorescence 1-2 μg/mL
	Optimal dilution for a specific application should be determined by user
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

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/3 | Product datasheet for ABIN6155391 | 09/10/2023 | Copyright antibodies-online. All rights reserved.

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