Datasheet for ABIN6251792 anti-FAT Atypical Cadherin 2 (FAT2) antibody

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Overview

Quantity:	100 µg
Target:	FAT Atypical Cadherin 2 (FAT2)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	Un-conjugated
Application:	Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (IHC), Western Blotting (WB)

## Product Details

Immunogen:	A recombinant human Protocadherin Fat 2 fusion protein was used as the immunogen for this FAT2 antibody.
Clone:	8C5
Isotype:	IgG1 kappa
Purification:	Protein G affinity chromatography

## Target Details

Target:	FAT Atypical Cadherin 2 (FAT2)
Alternative Name:	FAT2 (FAT2 Products)
Background:	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

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	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 beta-catenin, to regulate cadherin function. The cadherin superfamily includes cadherins, protocadherins, desmogleins and desmocollins. FAT2 (FAT 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.
Gene ID:	2196
UniProt:	Q9NYQ8
Application Details	
Application Notes:	Flow Cytometry: 0.5-1 µg/million cells in 0.1ml
	Immunofluorescence: 1-2 µg/mL
	IHC (FFPE): 0.5-1 µg/mL for 30 minutes at RT
	Titering of the FAT2 antibody may be required for optimal performance.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	0.2 mg/mL
Buffer:	PBS with 0.1 mg/mL BSA and 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot and Store at -20C. Avoid freez-thaw cycles.

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