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Datasheet for ABIN6937216
anti-FAT Atypical Cadherin 2 (FAT2) antibody

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 (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Purified recombinant human FAT2 fusion protein.
Clone:	8C5
Isotype:	IgG1 kappa
Specificity:	Recognizes a protein of 480 kDa, which is identified as FAT2. The cadherins represent a family of Ca ²⁺ -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 tumor suppressor homolog 2) is a single-pass type I membrane protein that belongs to the protocadherin subfamily of cadherins.

Product Details

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.

Cross-Reactivity (Details): Human.

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target: FAT Atypical Cadherin 2 (FAT2)

Alternative Name: FAT2 ([FAT2 Products](#))

Background: FAT tumor suppressor homolog 2 (HFAT2), cadherin family member 8 (CDHF8), cadherin-related family member 9 (CDHR9), multiple EGF-like domains protein 1, multiple epidermal growth factor-like domains 1 (MEGF1), multiple epidermal growth factor-like domains protein 1, protocadherin FAT2.,Protocadherin FAT2 (FAT Atypical Cadherin 2)
Cellular localisation: Cell Surface

Molecular Weight: 480kDa

Gene ID: 2196, 591255

UniProt: [Q9NYQ8](#)

Application Details

Application Notes: Known_Application: Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 min at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined.

Positive_Control: Esophagus, Cervix, Uterus, Tonsil or Cerebellum.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: Prepared in 10 mM PBS, WITHOUT BSA and Azide.

Preservative: Azide free

Handling

Storage: -20 °C,-80 °C

Storage Comment: Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.

Expiry Date: 24 months