

## Anti-Protocadherin FAT2 (FAT Atypical Cadherin 2) Monoclonal Antibody

Catalog Number: M04835

### About FAT2

Recognizes a protein of 480kDa, 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 -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.

### Overview

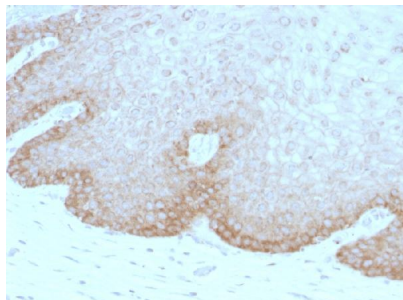
Product Name	Anti-Protocadherin FAT2 (FAT Atypical Cadherin 2) Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-Protocadherin FAT2 (FAT Atypical Cadherin 2) Monoclonal Antibody (Catalog # M04835). Tested in Flow Cytometry, IF, IHC applications. This antibody reacts with Human.
Conjugate	Biotin
Application	Flow Cytometry, IF, IHC
Clonality	Monoclonal Clone: 8C5
Formulation	Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage Instructions	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Host	Mouse
Uniprot ID	Q9NYQ8

### Technical Details

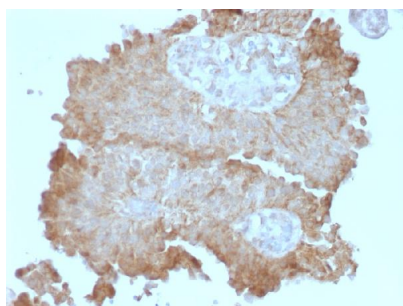
Immunogen	Purified recombinant human FAT2 fusion protein.
Predicted Reactive Species	Pig, Rabbit
Cross Reactivity	Does not cross-react with primate, avian or amphibian GR.
Isotype	IgG1, kappa

Form	Liquid
Concentration	Purified antibody with BSA and azide at 200ug/ml
Purification	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A/G.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Flow Cytometry (1-2ug/million cells)</p> <p>Immunofluorescence (1-2ug/ml)</p> <p>Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 min at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&amp;degC followed by cooling at RT for 20 minutes)</p> <p>Optimal dilution for a specific application should be determined.</p>

## Anti-Protocadherin FAT2 (FAT Atypical Cadherin 2) Monoclonal Antibody (M04835) Images



Formalin-fixed, paraffin-embedded human Cervical Carcinoma stained with Anti-Protocadherin FAT2 Monoclonal Antibody (8C5).



Formalin-fixed, paraffin-embedded human Bladder Carcinoma stained with Anti-Protocadherin FAT2 Monoclonal Antibody (8C5).

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