

Protocadherin FAT2 (FAT Atypical Cadherin 2) Antibody

Mouse Monoclonal Antibody [Clone 8C5]

Catalog No	Format	Size
2196-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
2196-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2196-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

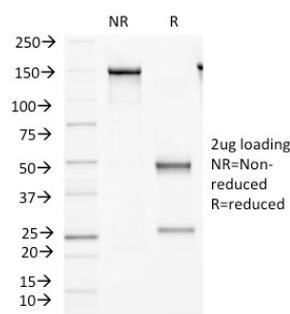
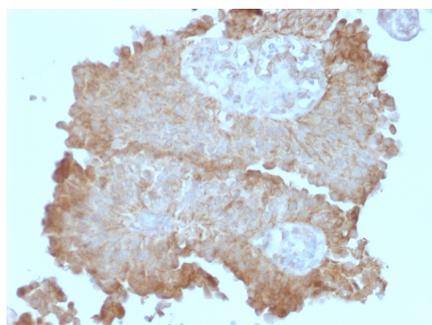
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

Clone	8C5
Gene Name	FAT2
Immunogen	Purified recombinant human FAT2 fusion protein.
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	480kDa
Cellular Localization	Cell junction, Cell membrane, Golgi apparatus, trans-Golgi network
Species Reactivity	Human
Positive Control	Cervix, Esophagus, Tonsil or Cerebellum., Uterus

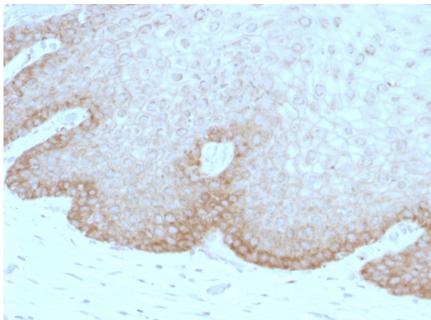
*Optimal dilution for a specific application should be determined.

Product Images for Protocadherin FAT2 (FAT Atypical Cadherin 2) Antibody



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

SDS-PAGE Analysis of Purified Protocadherin FAT2 Monoclonal Antibody (8C5). Confirmation of Integrity and Purity of Antibody.



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

Specificity & Comments

Recognizes a protein of 480kDa, 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 β -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.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

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.