

Product Datasheet

FAT2 Antibody / Protocadherin Fat 2 (orb2640208)

Description	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 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.
Species/Host	Mouse
Reactivity	Human
Conjugation	Unconjugated
Tested Applications	FACS, IF, IHC-P
Immunogen	A recombinant human Protocadherin Fat 2 fusion protein was used as the immunogen for this FAT2 antibody.
Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin (US sourced) and 0.05% sodium azide
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Application notes	Titering of the FAT2 antibody may be required for optimal performance.

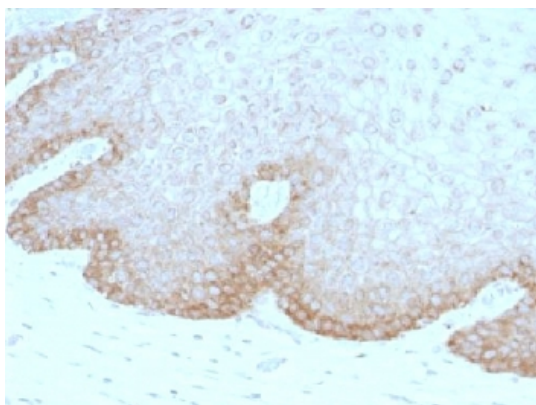
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Formula	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide
Isotype	Mouse IgG1, kappa
Clonality	Monoclonal
Clone Number	8C5
Antibody Type	Primary Antibody
Purity	Protein G affinity chromatography
Uniprot ID	Q9NYQ8
Hazard Information	This FAT2 antibody is available for research use only.
Dilution Range	Flow cytometry: 0.5-1ug/million cells, Immunofluorescence: 1-2ug/ml, Immunohistochemistry (FFPE): 0.5-1ug/ml for 30 min at RT
Expiration Date	12 months from date of receipt.



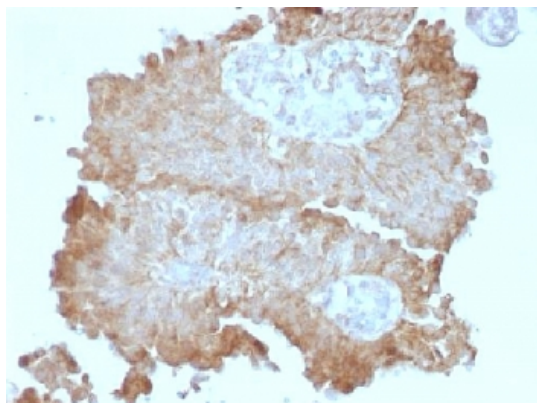
IHC testing of human cervical carcinoma with FAT2 antibody (clone 8C5). Required HIER: boil tissue sections in 10mM citrate buffer, pH6, for 10-20 min followed by cooling at RT for 20 min.

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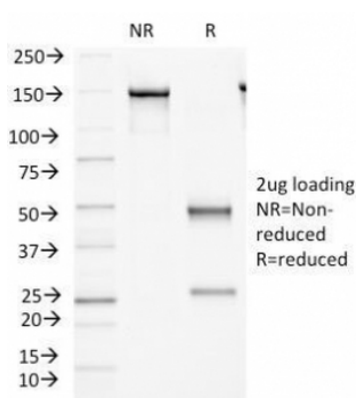
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IHC testing of human bladder carcinoma with FAT2 antibody (clone 8C5). Required HIER: boil tissue sections in 10mM citrate buffer, pH6, for 10-20 min followed by cooling at RT for 20 min.



SDS-PAGE Analysis of Purified, BSA-Free FAT2 Antibody (clone 8C5). Confirmation of Integrity and Purity of the Antibody.

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