Datasheet for ABIN6939371

anti-FAT Atypical Cadherin 2 (FAT2) antibody

3 Images

Go to Product page

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), Staining Methods (StM)

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 Ca2+-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.
Purification:	Purified by Protein A/G

Target Details

Target:	FAT Atypical Cadherin 2 (FAT2)
Alternative Name:	FAT2 (FAT2 Products)
Molecular Weight:	480kDa
Gene ID:	2196
UniProt:	Q9NYQ8

Application Details

Application Notes:	Positive Control: Esophagus, Cervix, Uterus, Tonsil or Cerebellum. Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 min at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

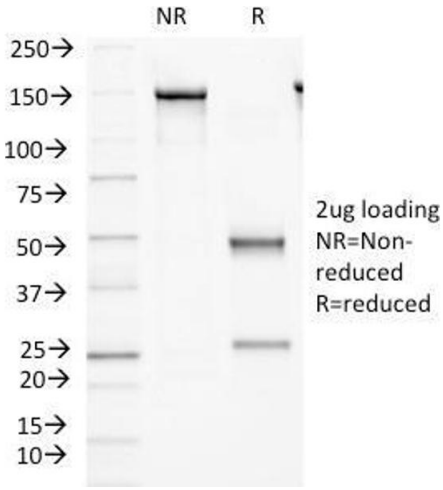
Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % 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:	4 °C,-80 °C
Storage Comment:	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.

Handling

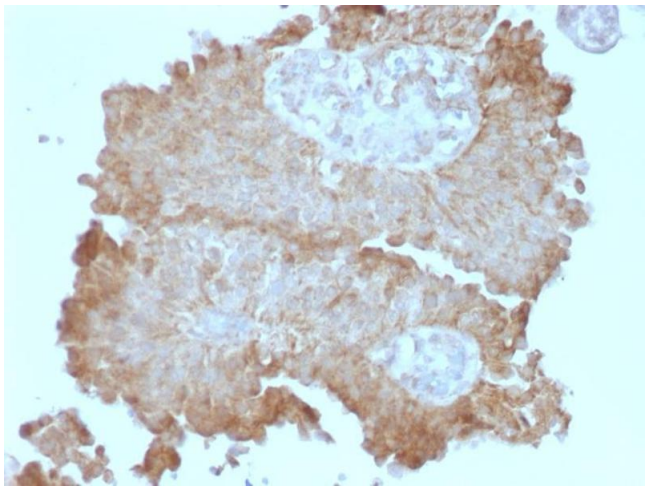
Expiry Date:	24 months

Images



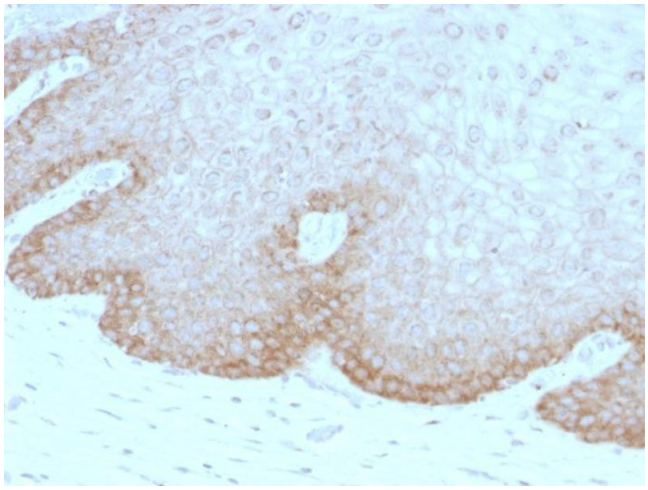
SDS-PAGE

Image 1. SDS-PAGE Analysis Purified Protocadherin FAT2 Monoclonal Antibody (8C5). Confirmation of Integrity and Purity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Bladder Carcinoma stained with Protocadherin FAT2 Monoclonal Antibody (8C5).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Cervical Carcinoma stained with Protocadherin FAT2 Monoclonal Antibody (8C5).