

**FAT4 Antibody**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AM8695b**

### Specification

#### FAT4 Antibody - Product Information

|                   |                        |
|-------------------|------------------------|
| Application       | WB,E                   |
| Primary Accession | <a href="#">Q6V0I7</a> |
| Reactivity        | Human                  |
| Host              | Mouse                  |
| Clonality         | monoclonal             |
| Isotype           | IgG1,k                 |

#### FAT4 Antibody - Additional Information

##### Gene ID 79633

##### Other Names

Protocadherin Fat 4, hFat4, Cadherin family member 14, FAT tumor suppressor homolog 4, Fat-like cadherin protein FAT-J, FAT4, CDHF14, FATJ

##### Target/Specificity

This FAT4 antibody is generated from a mouse immunized with a recombinant protein between 4500-4786 amino acids from human FAT4.

##### Dilution

WB~~1:2000

E~~Use at an assay dependent concentration.

##### Format

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

##### 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.

##### Precautions

FAT4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

#### FAT4 Antibody - Protein Information

##### Name FAT4

##### Synonyms CDHF14, FATJ

**Function** Cadherins are calcium-dependent cell adhesion proteins. FAT4 plays a role in the maintenance of planar cell polarity as well as in inhibition of YAP1-mediated neuroprogenitor cell

proliferation and differentiation (By similarity).

#### **Cellular Location**

Membrane; Single-pass type I membrane protein. Note=In the kidney, localizes to primary cilia.

#### **Tissue Location**

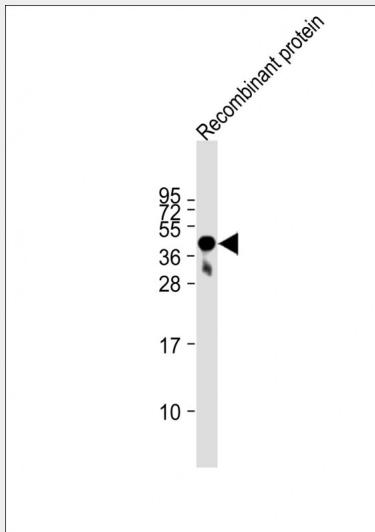
Widely expressed. Expressed in fetal brain, infant brain, brain tumor and colorectal cancer.

#### **FAT4 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **FAT4 Antibody - Images**



Anti-FAT4 Antibody at 1:2000 dilution + Recombinant protein at 20 ng per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 543 kDa  
Blocking/Dilution buffer: 5% NFDM/TBST.

#### **FAT4 Antibody - Background**

Cadherins are calcium-dependent cell adhesion proteins. FAT4 plays a role in the maintenance of planar cell polarity as well as in inhibition of YAP1-mediated neuroprogenitor cell proliferation and differentiation (By similarity).

#### **FAT4 Antibody - References**

Hoeng J.C.,et al.J. Mol. Biol. 337:307-317(2004).  
Hillier L.W.,et al.Nature 434:724-731(2005).

Ohira M.,et al.Cancer Lett. 197:63-68(2003).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Bechtel S.,et al.BMC Genomics 8:399-399(2007).