

## **FAT4 Antibody**

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8696b

## **Specification**

# **FAT4 Antibody - Product Information**

Application WB,E
Primary Accession Q6V017
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**

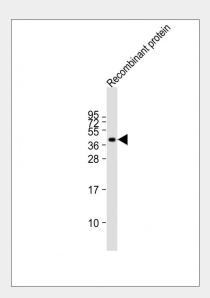
Widely expressed. Expressed in fetal brain, infant brain, brain tumor and colorectal cancer.

### **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 Cytomety
- 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).