

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

Specification

FAT4 Antibody - Product Information

Application	WB,E
Primary Accession	O6V0I7
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

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

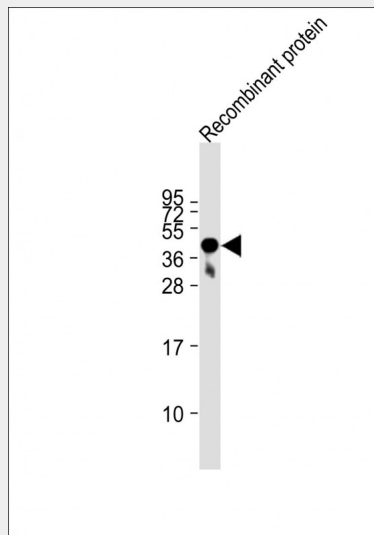
Widely expressed. Expressed in fetal brain, infant brain, brain tumor and colorectal cancer.

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).