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FAT4 Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8695b

Product Information

Application	WB, E
Primary Accession	Q6V0I7
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Mouse
Clonality	monoclonal
Isotype	IgG1,k
Clone Names	1654CT645.1.70
Calculated MW	542687

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.

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.

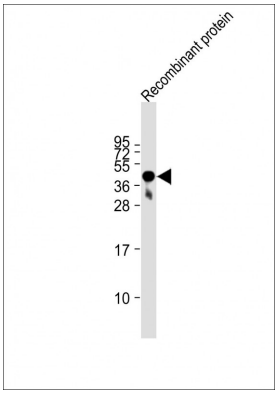
Background

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).

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).

Images



Anti-FAT4 Antibody at 1:2000 dilution + Recombinant protein Lysates/proteins 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.