

anti-Human Protocadherin Fat 1 Polyclonal Antibody | anti-FAT1 antibody

Protocadherin Fat 1 Antibody

CATALOG # AAA110909	REACTIVITY Human	APPLICATIONS Immunocytochemistry, Western Blot
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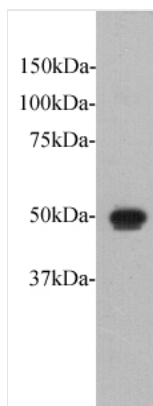
PRODUCT SYNONYMS

Protocadherin Fat 1; Polyclonal Antibody; Protocadherin Fat 1 Antibody; anti-FAT1 antibody

PRODUCT SPECIFICATIONS

Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	This antibody is produced by immunizing rabbits with a synthetic peptide (KLH-coupled) corresponding to the residues of Fat1.
Purity/Purification	Immunogen affinity purified
Form/Format	Liquid; 1*TBS (pH7.4), 0.5 BSA, 25% Glycerol, Preservative
Concentration	100ul, 0.23 mg/mL (varies by lot)
Sequence Length	4588
Applicable Applications for anti-FAT1 antibody	ICC (Immunocytochemistry), WB (Western Blot)
Cellular Localization	Cell Membrane
Positive Control	Recombinant protein

IMAGES



Application Data

Western blot analysis on Fat1 recombinant protein.

ADDITIONAL INFORMATION

Related Product Information for anti-FAT1 antibody	Mammalian FAT1 is a large transmembrane protein of the protocadherin superfamily first identified in Drosophila melanogaster. FAT1 is widely expressed in mammalian tissues, and it is particularly enriched in kidney glomerular epithelial cells. Human Protocadherin Fat1 is a single-pass type I membrane protein, contains 4950 amino acids. It may play an important role in regulating growth and cell adhesion.
References	1. "Molecular cloning and tissue expression of FAT, the human homologue of the Drosophila fat gene that is located on chromosome 4q34-q35 and encodes a putative adhesion molecule."Dunne J., Hanby A.M., Poulsom R., Jones T.A., Sheer D., Chin W.G., Da S.M., Zhao Q., Beverley P.C.L., Owen M.J.Genomics 30:207-223(1995). 2. "Protocadherin FAT1 binds Ena/VASP proteins and is necessary for actin dynamics and cell polarization" Marcus J Moeller, Abdulsalam Soofi, Gerald S Braun1, Xiaodong Li, Carsten Watzl2, Wilhelm Kriz1 and Lawrence B Holzman. The EMBO Journal 23:3769-3779(2004).

NCBI AND UNIPROT INFORMATION

NCBI GI #	66346693
NCBI GeneID	2195
NCBI Accession #	NP_005236.2
NCBI GenBank Nucleotide #	NM_005245.3
UniProt Accession #	Q14517
Molecular Weight	50kDa
NCBI Official Full Name	protocadherin Fat 1
NCBI Official Synonym Full Names	FAT atypical cadherin 1
NCBI Official Symbol	FAT1
NCBI Official Synonym Symbols	FAT; ME5; CDHF7; CDHR8; hFat1
NCBI Protein Information	protocadherin Fat 1
UniProt Protein Name	Protocadherin Fat 1
UniProt Gene Name	FAT1
UniProt Synonym Gene Names	CDHF7; FAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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