FAT4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	FAT4, Polyclonal Antibody
Full Product Name	FAT4 Antibody, Biotin conjugated
Product Gene Name	anti-FAT4 antibody
Product Synonym Names	Protocadherin Fat 4; hFat4; Cadherin family member 14; FAT tumor suppressor homolog 4; Fat-like cadherin protein FAT-J; FAT4; CDHF14; FATJ; Nbla00548
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: FAT4 (MBS7044344) Biotin Conjugated Antibody: FAT4 (MBS7043689)
Molecular Weight	542,616 Da
OMIM	612411
3D Structure	ModBase 3D Structure for Q6V0I7
Species	Human
Immunogen	Recombinant human Protocadherin Fat 4 protein
Conjugate	Biotin
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-FAT4 antibody	ELISA (EIA)
Related Product Information for anti-FAT4 antibody	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).
Other Notes	Small volumes of anti-FAT4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for FAT4 purchase	MBS7043689 is an antibody targeting FAT4. Also known as FAT4 Antibody, Biotin conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FAT4. It may not necessarily be applicable to this product.

NCBI GI #	603844373
NCBI GeneID	79633
NCBI Accession #	NP_001278214.1
UniProt Primary Accession #	Q6V0I7
UniProt Secondary Accession #	Q3LIA6; Q8TCK7; Q9H5T6; A8K5Z6; B5MDG4
UniProt Related Accession #	Q6V0I7
GenBank Nucleotide #	NM_001291285.1
NCBI Official Full Name	protocadherin Fat 4 isoform 2
NCBI Official Synonym Full Names	FAT atypical cadherin 4
NCBI Official Symbol	FAT4
NCBI Official Synonym Symbols	FATJ; FAT-J; CDHF14; CDHR11; HKLLS2; VMLDS2; NBLA00548
UniProt Protein Name	Protocadherin Fat 4
UniProt Synonym Protein Names	Cadherin family member 14; FAT tumor suppressor homolog 4; Fat-like cadherin protein FAT-J
Protein Family	Protocadherin
UniProt Gene Name	FAT4
UniProt Synonym Gene Names	CDHF14; FATJ; hFat4
UniProt Entry Name	FAT4_HUMAN
NCBI Protein Information	protocadherin Fat 4
NCBI Summary for FAT4	The protein encoded by this gene is a member of the protocadherin family. This gene may play a role in regulating planar cell polarity (PCP). Studies in mice suggest that loss of PCP signaling may cause cystic kidney disease, and mutations in this gene have been associated with Van Maldergem Syndrome 2. Alternatively spliced transcript variants have been noted for this gene. [provided by RefSeq, Mar 2014]
UniProt Comments for FAT4	FAT4: May function in the regulation of planar cell polarity. Cadherins are cell-cell interaction molecules. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Cell adhesion Chromosomal Location of Human Ortholog: 4q28.1 Molecular Function: protein binding Biological Process: cerebral cortex development; heterophilic cell adhesion; neurogenesis Disease: Hennekam Lymphangiectasia-lymphedema Syndrome 2; Van Maldergem Syndrome 2
Research Articles on FAT4	**1.** FAT4 has a tumour suppressor role mediated by the modulation of Wnt/beta-catenin signalling, providing potential novel targets for the treatment of gastric cancer
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