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Rabbit Anti-CDHF14 antibody

SL13721R

Product Name:	CDHF14
Chinese Name:	钙粘蛋白14抗体
Alias:	Cadherin family member 14; CDHF14; FAT tumor suppressor homolog 4; Fat-like cadherin protein FAT-J; FAT4; FAT4_HUMAN; FATJ; hFat4; Nbla00548; Protocadherin Fat 4.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	538kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CDHF14:4351-4450/4981<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The cadherins represent a family of Ca2+-dependent adhesion molecules that function to mediate cell to cell binding that is critical for the maintenance of structure and morphogenesis. Cadherins contain a large extracellular domain at the N-terminus, which is characterized by a series of five homologous repeats, the most distal of which

is thought to be responsible for binding specificity. The relatively short C-terminal intracellular domain interacts with a variety of cytoplasmic proteins, including beta-catenin, to regulate cadherin function. The cadherin superfamily includes cadherins, protocadherins, desmogleins and desmocollins. FAT4 (FAT tumor suppressor homolog 4), also known as FAT-J, CDHF14 or CDHR11, is a 4,981 amino acid single-pass type I membrane protein that belongs to the protocadherin subfamily of cadherins and localizes to the primary cilia of kidney. Widely expressed, FAT4 contains thirty-four cadherin domains, six EGF-like domains and two laminin G-like domains. FAT4 may function in the regulation of planar cell polarity.

Function:
May function in the regulation of planar cell polarity (By similarity). Cadherins are cell-cell interaction molecules.

Subcellular Location:
Membrane. In the kidney, localizes to primary cilia.

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

Similarity:
Contains 34 cadherin domains.
Contains 6 EGF-like domains.
Contains 2 laminin G-like domains.

SWISS:
Q6V0I7

Gene ID:
79633

Database links:

Entrez Gene: 79633 Human

SwissProt: Q6V0I7 Human

Unigene: 563205 Human

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.