



Rabbit Anti-FAT3 antibody

SL11081R

Product Name:	FAT3
Chinese Name:	钙粘蛋白15抗体
Alias:	Cadherin family member 15; CDHF15; CDHR10; FAT tumor suppressor homolog 3; Fat3; FAT3_HUMAN; hFat3; Protocadherin Fat 3.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Rabbit,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:	512kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CDHF15/FAT3:601-800/4589<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 Ca ²⁺ -dependent adhesion molecules that function to mediate cell to cell binding that is critical for the maintenance of structure and morphogenesis. Cadherins each 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 β -catenin, to regulate cadherin function. The cadherin superfamily includes cadherins, protocadherins, desmogleins and desmocollins. FAT3 (FAT tumor suppressor homolog 3, also known as CDHF15 or CDHR10, is a 4,589 amino acid single-pass type I membrane protein expressed in ES cells, primitive neuroectoderm, fetal brain, infant brain, adult neural tissues and prostate. Containing thirty-three cadherin domains, four EGF-like domains and one laminin G-like domain, FAT3 may participate in the interactions between neurites derived from specific subsets of neurons during development.

Function:

May play a role in the interactions between neurites derived from specific subsets of neurons during development.

Subcellular Location:

Membrane; Single-pass type I membrane protein (Potential).

Tissue Specificity:

Expressed in ES cells, primitive neuroectoderm, fetal brain, infant brain, adult neural tissues and prostate.

Similarity:

Contains 33 cadherin domains.

Contains 4 EGF-like domains.

Contains 1 laminin G-like domain.

SWISS:

Q8TDW7

Gene ID:

120114

Database links:

[Entrez Gene: 120114](#) Human

[Omim: 612483](#) Human

[SwissProt: Q8TDW7](#) Human

[Unigene: 98523](#) Human

Important Note:

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

