



Rabbit Anti-CTNNA3 antibody

SL13743R

Product Name:	CTNNA3
Chinese Name:	钙粘蛋白相关蛋白CTNNA3抗体
Alias:	4930429L08Rik; 4933408A16; Alpha catenin like protein; Alpha T catenin; Alpha T-catenin; Cadherin associated protein; Cadherin-associated protein; Catenin alpha 3; Catenin alpha-3; Catna3; CTNA3_HUMAN; CTNNA3; MGC26194; MGC75041; OTTHUMP00000019684; OTTMUSP00000028119; OTTMUSP00000028120; RP11-433J16.1; VR22.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=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:	100kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CTNNA3:131-230/895
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 catenins are ubiquitously expressed, cytoplasmic proteins that associate with E-cadherin at cellular junctions. Catenin/cadherin complexes play an important role in mediating cellular adhesion. alpha T-catenin, also referred to as VR22, is a 895-amino

acid protein that is most abundantly expressed in cardiomyocytes and in the peritubular myoid cells of the testis. alpha T-catenin binds to alpha E-catenin as well as to beta-catenin, and it functions to inhibit Wnt signaling. CTNNA3, the gene that encodes for alpha-T-catenin, is located on chromosome 10, and mutations in this gene show a strong correlation to late-onset Alzheimer's disease (LOAD) as well as to dilated cardiomyopathy.

Function:

May be involved in formation of stretch-resistant cell-cell adhesion complexes.

Subcellular Location:

Cytoplasm; cytoskeleton. Localizes to intercalated disks of cardiomyocytes and in peritubular myoid cells of testis, and colocalizes with CTNNA1 and CTNNA2.

Tissue Specificity:

Predominantly expressed in heart and testis. Expressed at lower levels in brain, kidney, liver and skeletal muscle.

Similarity:

Belongs to the vinculin/alpha-catenin family.

SWISS:

Q9UI47

Gene ID:

29119

Database links:

[Entrez Gene: 29110](#) Human

[Entrez Gene: 29119](#) Human

[Entrez Gene: 216033](#) Mouse

[Entrez Gene: 361839](#) Rat

[Omim: 607667](#) Human

[SwissProt: Q9UHD2](#) Human

[SwissProt: Q9UI47](#) Human

[SwissProt: Q65CL1](#) Mouse

[Unigene: 660362](#) Human

[Unigene: 444692](#) Mouse

[Unigene: 223553](#) Rat

Important Note:

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

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