



Rabbit Anti-ARVCF antibody

SL12532R

Product Name:	ARVCF
Chinese Name:	精神分裂症与狢徐重复基因抗体
Alias:	Armadillo repeat gene deletes in velocardiofacial syndrome; Armadillo repeat protein; Armadillo repeat protein deleted in velo cardio facial syndrome; Armadillo repeat protein deleted in velo-cardio-facial syndrome; ARVC_HUMAN; Arvcf; FLJ35345; OTTHUMP00000028704; OTTHUMP00000198346; OTTHUMP00000198347; OTTHUMP00000198348.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Horse,Rabbit,
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:	105kDa
Cellular localization:	The nucleusThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ARVCF:501-600/962
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:	Armadillo Repeat gene deleted in Velo-Cardio-Facial syndrome (ARVCF) is a member of the catenin family. This family plays an important role in the formation of adherens junction complexes, which are thought to facilitate communication between the inside

and outside environments of a cell. The ARVCF gene was isolated in the search for the genetic defect responsible for the autosomal dominant Velo-Cardio-Facial syndrome (VCFS), a relatively common human disorder with phenotypic features including cleft palate, conotruncal heart defects and facial dysmorphism. The ARVCF gene encodes a protein containing two motifs, a coiled coil domain in the N-terminus and a 10 armadillo repeat sequence in the midregion. Since these sequences can facilitate protein-protein interactions ARVCF is thought to function in a protein complex. In addition, ARVCF contains a predicted nuclear-targeting sequence suggesting that it may have a function as a nuclear protein. [provided by RefSeq, Jun 2010].

Function:

Involved in protein-protein interactions at adherens junctions.

Subunit:

Interacts (via the extreme C-terminus) with FRMPD2 (via the PDZ 2 domain).

Tissue Specificity:

Found in all the examined tissues including heart, brain, liver and kidney. Found at low level in lung.

Similarity:

Belongs to the beta-catenin family.
Contains 10 ARM repeats.

SWISS:

O00192

Gene ID:

421

Database links:

[Entrez Gene: 421](#)Human

[Omim: 602269](#)Human

[SwissProt: O00192](#)Human

[Unigene: 699354](#)Human

[Unigene: 713616](#)Human

Important Note:

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