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ARVCF Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54882

Specification

ARVCF Polyclonal Antibody - Product Information

Application	**WB, IHC-P, IHC-F, IF, ICC, E**
Primary Accession	O00192
Reactivity	**Rat, Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**105 KDa**
Physical State	**Liquid**
Immunogen	**KLH conjugated synthetic peptide derived from human ARVCF**
Epitope Specificity	**501-600/962**
Isotype	**IgG**

Purity
affinity purified by Protein A

Buffer	**0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.**
SIMILARITY	**Belongs to the beta-catenin family. Contains 10 ARM repeats.**
SUBUNIT	**Interacts (via the extreme C-terminus) with FRMPD2 (via the PDZ 2 domain).**
Important Note	**This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.**

Background Descriptions
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 dysmorphology. 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].

ARVCF Polyclonal Antibody - Additional Information

Gene ID 421

Other Names
Armadillo repeat protein deleted in velo-cardio-facial syndrome, ARVCF

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

Dilution
WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. 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 ℃.

ARVCF Polyclonal Antibody - Protein Information

Name ARVCF (HGNC:728)

Function
Contributes to the regulation of alternative splicing of pre- mRNAs.

Cellular Location
Cell junction, adherens junction. Nucleus. Cytoplasm Note=In heart, localizes at area composita, the mixed-type junctional structure composed of both desmosomal and adherens junctional proteins {ECO:0000250|UniProtKB:B4F7F3}

Tissue Location
Found in all the examined tissues including heart, brain, liver and kidney. Found at low level in lung. Expressed in dermal connective tissue, salivary gland duct and in the corneal layer (at protein level) (PubMed:30479852). Expressed in arrector pili muscle (at protein level) (PubMed:29034528). High levels detected in epithelial cells with lower levels found in fibroblasts and T lymphocytes (PubMed:10725230).

ARVCF Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ARVCF Polyclonal Antibody - Images

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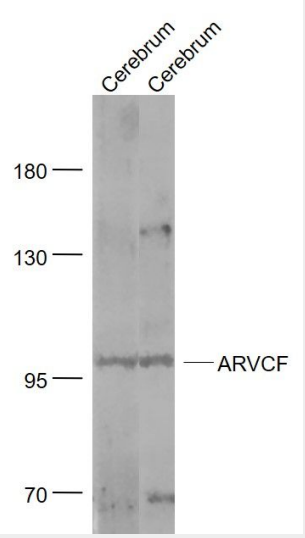

Sample:
Cerebrum (Mouse) Lysate at 40 ug
Cerebrum (Rat) Lysate at 40 ug
Primary: Anti- ARVCF (bs-12532R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 105 kD
Observed band size: 105 kD