

ARVCF Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP5100c**Specification**

ARVCF Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [O00192](#)**ARVCF Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 421**Other Names**

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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ARVCF Antibody (Center) Blocking Peptide - 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 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ARVCF Antibody (Center) Blocking Peptide - Images

ARVCF Antibody (Center) Blocking Peptide - Background

Armadillo Repeat gene deleted in Velo-Cardio-Facial syndrome (ARVCF) is a member of the catenin family which play 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. 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. 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.

ARVCF Antibody (Center) Blocking Peptide - References

Yoshida, T., et al. Int. J. Mol. Med. 25(4):649-656(2010)Guey, L.T., et al. Eur. Urol. 57(2):283-292(2010)Oguri, M., et al. Am. J. Hypertens. 23(1):70-77(2010)