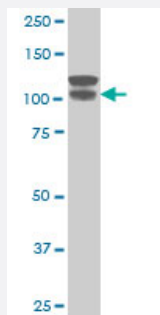


# ARVCF monoclonal antibody (M01), clone 5D2

Catalog # H00000421-M01

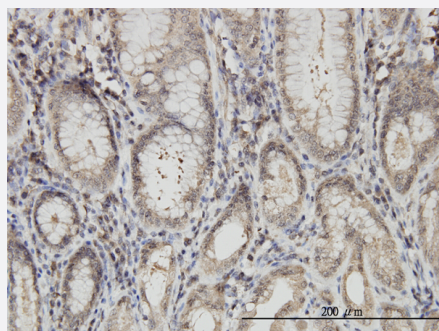
Size 100 ug

## Applications



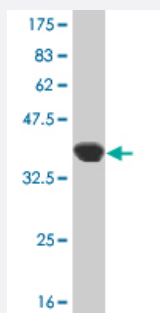
### Western Blot (Cell lysate)

ARVCF monoclonal antibody (M01), clone 5D2 Western Blot analysis of ARVCF expression in A-431 ( Cat # L015V1 ).



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to ARVCF on formalin-fixed paraffin-embedded human stomach. [antibody concentration 3 ug/ml]



Western Blot detection against Immunogen (36.74 KDa) .

## Specification

### Product Description

Mouse monoclonal antibody raised against a partial recombinant ARVCF.

|                                      |                                                                                                                    |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>Immunogen</b>                     | ARVCF (NP_001661, 863 a.a. ~ 962 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| <b>Sequence</b>                      | LSPGGFDDSTLPLVDKSLEGEKTGSRDVIPMDALGPDGYSTVDRRERRRPRGASSAGEASEKEPL<br>KLDPSRKAPPPGPSRPAVRLVDAVGDAKPQPVDSWV          |
| <b>Host</b>                          | Mouse                                                                                                              |
| <b>Reactivity</b>                    | Human                                                                                                              |
| <b>Interspecies Antigen Sequence</b> | Mouse (80); Rat (77)                                                                                               |
| <b>Isotype</b>                       | IgG1 Kappa                                                                                                         |
| <b>Quality Control Testing</b>       | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (36.74 KDa) .           |
| <b>Storage Buffer</b>                | In 1x PBS, pH 7.4                                                                                                  |
| <b>Storage Instruction</b>           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                           |

## Applications

- Western Blot (Cell lysate)

ARVCF monoclonal antibody (M01), clone 5D2 Western Blot analysis of ARVCF expression in A-431 ( Cat # L015V1 ).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to ARVCF on formalin-fixed paraffin-embedded human stomach. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- ELISA

## Gene Info — ARVCF

Entrez GeneID

[421](#)

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GeneBank Accession# | <a href="#">NM_001670</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Protein Accession#  | <a href="#">NP_001661</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Gene Name           | ARVCF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Gene Alias          | FLJ35345                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Gene Description    | armadillo repeat gene deletes in velocardiofacial syndrome                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Omim ID             | <a href="#">602269</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Gene Summary        | <p>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. [provided by RefSeq]</p> |
| Other Designations  | armadillo repeat protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## Publication Reference

- [p53-induced ARVCF modulates the splicing landscape and supports the tumor suppressive function of p53.](#)

Suzuki N, Idogawa M, Tange S, Ohashi T, Sasaki Y, Nakase H, Tokino T.  
Oncogene 2019 Dec; [Epub].

Application: WB-Ce, Human, A549, MCF-7, U2OS cells
- [Xenopus Kazrin interacts with ARVCF-catenin, spectrin and p190B RhoGAP, and modulates RhoA activity and epithelial integrity.](#)

Cho K, Vaught TG, Ji H, Gu D, Papasakelariou-Yared C, Horstmann N, Jennings JM, Lee M, Sevilla LM, Kloc M, Reynolds AB, Watt FM, Brennan RG, Kowalczyk AP, McCrea PD.  
Journal of Cell Science 2010 Dec; 123(Pt 23):4128.

Application: IP, WB-Ce, WB-Ti, Human, Xenopus, Embryos, A431 cells

## Disease

- [Anorexia Nervosa](#)
- [Cerebral Hemorrhage](#)
- [Chronic Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Intracranial Hemorrhages](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Psychotic Disorders](#)
- [Schizophrenia](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)
- [Tobacco Use Disorder](#)
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