

ARVCF Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant ARVCF.****Catalog # AT1204a****Specification**

ARVCF Antibody (monoclonal) (M01) - Product Information

| | |
|-------------------|---------------------------|
| Application | WB, IHC |
| Primary Accession | O00192 |
| Other Accession | NM_001670 |
| Reactivity | Human |
| Host | mouse |
| Clonality | Monoclonal |
| Isotype | IgG1 Kappa |
| Calculated MW | 104642 |

ARVCF Antibody (monoclonal) (M01) - Additional Information**Gene ID** 421**Other Names**

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

Target/Specificity

ARVCF (NP_001661, 863 a.a. ~ 962 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

IHC~~1:100~500

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

ARVCF Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

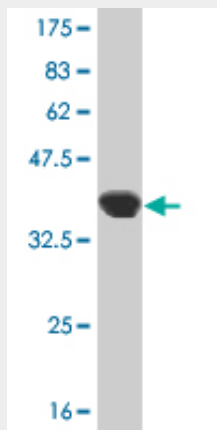
ARVCF Antibody (monoclonal) (M01) - Protocols

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

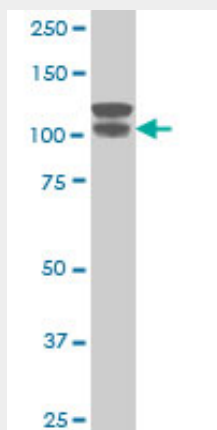
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

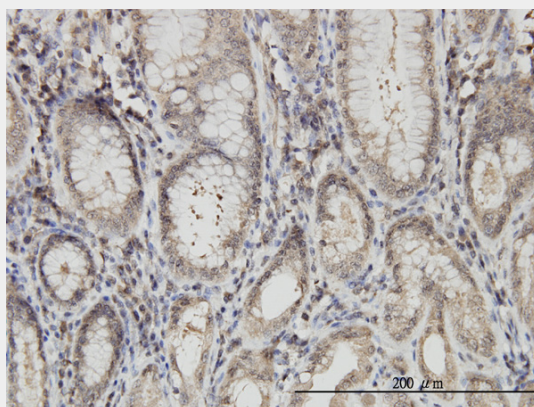
ARVCF Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 kDa) .



ARVCF monoclonal antibody (M01), clone 5D2 Western Blot analysis of ARVCF expression in A-431 (Cat # AT1204a)



Immunoperoxidase of monoclonal antibody to ARVCF on formalin-fixed paraffin-embedded human

stomach. [antibody concentration 3 ug/ml]

ARVCF Antibody (monoclonal) (M01) - Background

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.

ARVCF Antibody (monoclonal) (M01) - References

1. 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. J Cell Sci. 2010 Dec 1;123(Pt 23):4128-44. Epub 2010 Nov 9.