

Datasheet

ARVCF monoclonal antibody (M01), clone 5D2

Catalog Number: H00000421-M01

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a partial recombinant ARVCF.

Clone Name: 5D2

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

Sequence:

LSPGGFDDSTLPLVDKSLEGEKTGSRDVIPMDALGPD
GYSTVDRRERRPRGASSAGEASEKEPLKLDPSRKAPP
PGPSRPAVRLVDAVGDAKPQPVDSWV

Host: Mouse

Reactivity: Human

Applications: ELISA, IHC-P, WB-Ce, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Isotype: IgG1 Kappa

Storage Buffer: In 1x PBS, pH 7.4

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

Entrez GeneID: 421

Gene Symbol: ARVCF

Gene Alias: FLJ35345

Gene Summary: 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]

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.