

## Product datasheet for **TA338570**

### Dysadherin (FXVD5) Rabbit Polyclonal Antibody

#### Product data:

|                         |  |
|-------------------------|--|
| Product Type:           | Primary Antibodies   |
| Applications:           | WB   |
| Recommended Dilution:   | WB   |
| Reactivity:             | Human  |
| Host:                   | Rabbit   |
| Isotype:                | IgG  |
| Clonality:              | Polyclonal   |
| Immunogen:              | The immunogen for anti-FXVD5 antibody: synthetic peptide directed towards the middle region of human FXVD5. Synthetic peptide located within the following region:<br>SERPSPSTDVQTDPQTLKPSGFHEDDPFFYDEHTLRKRGLLVAAVLFITG |
| Formulation:            | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.<br><i>Note that this product is shipped as lyophilized powder to China customers.</i>                                  |
| Concentration:          | lot specific   |
| Purification:           | Protein A purified   |
| Conjugation:            | Unconjugated   |
| Storage:                | Store at -20°C as received.  |
| Stability:              | Stable for 12 months from date of receipt.   |
| Predicted Protein Size: | 19 kDa   |
| Gene Name:              | FXVD domain containing ion transport regulator 5   |
| Database Link:          | <a href="#">NP_054883</a><br><a href="#">Entrez Gene 53827 Human</a><br><a href="#">Q96DB9</a>   |



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**Background:**

This gene encodes a member of a family of small membrane proteins that share a 35-amino acid signature sequence domain, beginning with the sequence PFXVD and containing 7 invariant and 6 highly conserved amino acids. The approved human gene nomenclature for the family is FXVD-domain containing ion transport regulator. Mouse FXVD5 has been termed RIC (Related to Ion Channel). FXVD2, also known as the gamma subunit of the Na,K-ATPase, regulates the properties of that enzyme. FXVD1 (phospholemman), FXVD2 (gamma), FXVD3 (MAT-8), FXVD4 (CHIF), and FXVD5 (RIC) have been shown to induce channel activity in experimental expression systems. Transmembrane topology has been established for two family members (FXVD1 and FXVD2), with the N-terminus extracellular and the C-terminus on the cytoplasmic side of the membrane. This gene product, FXVD5, is a glycoprotein that functions in the up-regulation of chemokine production, and it is involved in the reduction of cell adhesion via its ability to down-regulate E-cadherin. It also promotes metastasis, and has been linked to a variety of cancers. Alternative splicing results in multiple transcript variants. [RefSeq curation by Kathleen J. Sweadner, Ph.D., sweadner@helix.mgh.harvard.edu., Sep 2009]. Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 encode the same protein. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Gene record to access additional publications. ##Evidence-Data-START## Transcript exon combination :: CD049463.1, BG481571.1, CD049463.1 [ECO:0000332] RNAseq introns :: single sample supports all introns ERS025081, ERS025082 [ECO:0000348] ##Evidence-Data-END## COMPLETENESS: complete on the 3' end.

**Synonyms:**

DYSAD; HSPC113; IWU1; KCT1; OIT2; PRO6241; RIC

**Note:**

Immunogen Sequence Homology: Human: 100%

**Protein Families:**

Druggable Genome, Ion Channels: Other, Transmembrane

**Product images:**

WB Suggested Anti-FXVD5 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:62500; Positive Control: Human heart