

Product datasheet for TA338570

Dysadherin (FXYD5) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies Applications: WB Recommended Dilution: WB **Reactivity:** Human Rabbit Host: Isotype: lgG Polyclonal **Clonality:** Immunogen: The immunogen for anti-FXYD5 antibody: synthetic peptide directed towards the middle region of human FXYD5. Synthetic peptide located within the following region: SERPSPSTDVQTDPQTLKPSGFHEDDPFFYDEHTLRKRGLLVAAVLFITG Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. Note that this product is shipped as lyophilized powder to China customers. Concentration: lot specific **Purification:** Protein A purified **Conjugation:** Unconjugated Storage: Store at -20°C as received. Stable for 12 months from date of receipt. Stability: Predicted Protein Size: 19 kDa Gene Name: FXYD domain containing ion transport regulator 5 Database Link: NP 054883 Entrez Gene 53827 Human Q96DB9



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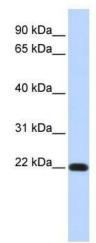
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GRIGENE Dysadherin (FXYD5) Rabbit Polyclonal Antibody – TA338570

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 PFXYD and containing 7 invariant and 6 highly conserved amino acids. The approved human gene nomenclature for the family is FXYD-domain containing ion transport regulator. Mouse FXYD5 has been termed RIC (Related to Ion Channel). FXYD2, also known as the gamma subunit of the Na,K-ATPase, regulates the properties of that enzyme. FXYD1 (phospholemman), FXYD2 (gamma), FXYD3 (MAT-8), FXYD4 (CHIF), and FXYD5 (RIC) have been shown to induce channel activity in experimental expression systems. Transmembrane topology has been established for two family members (FXYD1 and FXYD2), with the N-terminus extracellular and the C-terminus on the cytoplasmic side of the membrane. This gene product, FXYD5, 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. [RefSeg 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 RefSeg 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-FXYD5 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:62500; Positive Control: Human heart

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