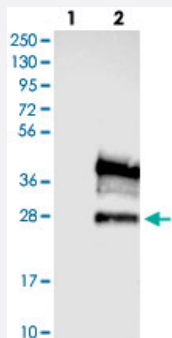


# FXYD5 polyclonal antibody

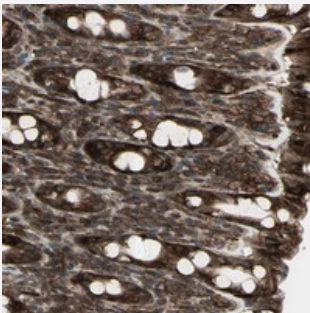
Catalog # PAB20515      Size 100 uL

## Applications



### Western Blot (Transfected lysate)

Western blot analysis of Lane 1: Negative control (vector only transfected HEK293T lysate), Lane 2: Over-expression Lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa) in mammalian HEK293T cells with FXYD5 polyclonal antibody (Cat # PAB20515).



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

Immunohistochemical staining of human rectum with FXYD5 polyclonal antibody (Cat # PAB20515) shows strong cytoplasmic positivity in glandular cells.

## Specification

Product Description	Rabbit polyclonal antibody raised against recombinant FXYD5.
Immunogen	Recombinant protein corresponding to amino acids of human FXYD5.
Sequence	DTTSSSSADSTIMDIQVPTRAPDAVYTELQPTSPTPTWPADETPQPQTQTQQLEGTDGPLVTDPE THKSTKAAHPTDDTTTLSEKSPSTDVQTDLPQTLKPSGFHEDDPFFYDEHTLR
Host	Rabbit
Reactivity	Human
Form	Liquid

<b>Purification</b>	Antigen affinity purification
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	Immunohistochemistry (1:20-1:50) Western Blot (1:250-1:500) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

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## Gene Info — FXYD5

<b>Entrez GeneID</b>	<a href="#">53827</a>
<b>Protein Accession#</b>	<a href="#">Q96DB9</a>
<b>Gene Name</b>	FXYD5
<b>Gene Alias</b>	HSPC113, WU-1, WU1, KCT1, OIT2, PRO6241, RIC, dysad
<b>Gene Description</b>	FXYD domain containing ion transport regulator 5
<b>Omim ID</b>	<a href="#">606669</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>

**Gene Summary**

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. [RefSeq curation by Kathleen J. Sweadner, Ph.D., sweadner@helix.mgh.harvard.edu.

**Other Designations**

FXYD domain-containing ion transport regulator 5[dysadherin]keratinocytes associated transmembrane protein 1

**Disease**

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)