

Rabbit anti-Human FXYD5 Polyclonal Antibody | anti-FXYD5 antibody

FXYD5 Antibody (Center)

CATALOG # AAA284778	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

FXYD5; Polyclonal Antibody; FXYD5 Antibody (Center); FXYD domain-containing ion transport regulator 5; Dysadherin; DYSAD; IWU1; anti-FXYD5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This FXYD5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 71-100 amino acids from the Central region of human FXYD5.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	71-100
Sequence Length	107
Applicable Applications for anti-FXYD5 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

FXYD5 Antibody (Center) (AAA284778) immunohistochemistry analysis in formalin fixed and paraffin embedded human rectum tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of FXYD5 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

FXYD5 Antibody (Center) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the FXYD5 antibody detected the FXYD5 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-FXYD5 antibody	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].
Product Categories/Family for anti-FXYD5 antibody	Signal Transduction
References	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Ono, K., et al. Anticancer Res. 30(9):3273-3278(2010) Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Liang, J.F., et al. Pathol. Res. Pract. 205(7):445-450(2009) Batistatou, A., et al. Endocr. Pathol. 19(3):197-202(2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	257195182
NCBI GeneID	53827
NCBI Accession #	NP_001158077.1 ; NP_054883.3 ; NP_659003.1
NCBI GenBank Nucleotide #	NM_001164605.1
UniProt Accession #	Q96DB9 ; Q6UW44 ; Q9HC34 ; Q9P039 ; B7WNZ8
Molecular Weight	19472
NCBI Official Full Name	FXYD domain-containing ion transport regulator 5
NCBI Official Synonym Full Names	FXYD domain containing ion transport regulator 5
NCBI Official Symbol	FXYD5
NCBI Official Synonym Symbols	RIC; IWU1; KCT1; OIT2; DYSAD; HSPC113; PRO6241
NCBI Protein Information	FXYD domain-containing ion transport regulator 5
UniProt Protein Name	FXYD domain-containing ion transport regulator 5
UniProt Gene Name	FXYD5
UniProt Synonym Gene Names	DYSAD; IWU1
UniProt Entry Name	FXYD5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

