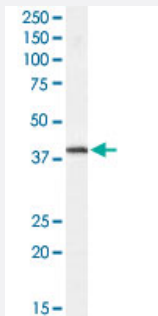


FXYD5 polyclonal antibody

Catalog # PAB6132 Size 100 ug

Applications



Western Blot (Tissue lysate)

FXYD5 polyclonal antibody (Cat # PAB6132) staining (0.5 ug/mL) of human spleen lysate (RIPA buffer, 30 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of FXYD5.
Immunogen	A synthetic peptide corresponding to human FXYD5.
Sequence	GKCRQLSRLCRNHCR
Host	Goat
Theoretical MW (kDa)	19.5
Reactivity	Human
Specificity	NP_054883.1 and NP_6590.03.1 are variants that represent the same protein.
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.

Recommend Usage	ELISA (1:8000) Western Blot (0.5-1.5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — FXYD5

Entrez GeneID	53827
Protein Accession#	NP_054883.1;NP_6590.03.1
Gene Name	FXYD5
Gene Alias	HSPC113, IWU-1, IWU1, KCT1, OIT2, PRO6241, RIC, dysad
Gene Description	FXYD domain containing ion transport regulator 5
Omim ID	606669
Gene Ontology	Hyperlink

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

Publication Reference

- [Dysadherin, a cancer-associated cell membrane glycoprotein, down-regulates E-cadherin and promotes metastasis.](#)

Ino Y, Gotoh M, Sakamoto M, Tsukagoshi K, Hirohashi S.

PNAS 2002 Jan; 99(1):365.

Disease

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