Datasheet for ABIN952009

anti-FXYD5 antibody (Middle Region)

2 Images

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Overview

Quantity:	0.4 mL
Target:	FXYD5
Binding Specificity:	AA 70-100, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FXYD5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 70-100 amino acids from the Central region of Human Dysadherin / FXYD5
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human Dysadherin / FXYD5 (Center).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	FXYD5
Alternative Name:	Dysadherin / FXYD5 (FXYD5 Products)

Target Details

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. [RefSeq curation by Kathleen J. Sweadner, Ph.D., sweadner@helix.mgh.harvard.edu.].Synonyms: DYSAD, FXYD domain-containing ion transport regulator 5, IWU1
Gene ID:	53827
NCBI Accession:	NP_001158077

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

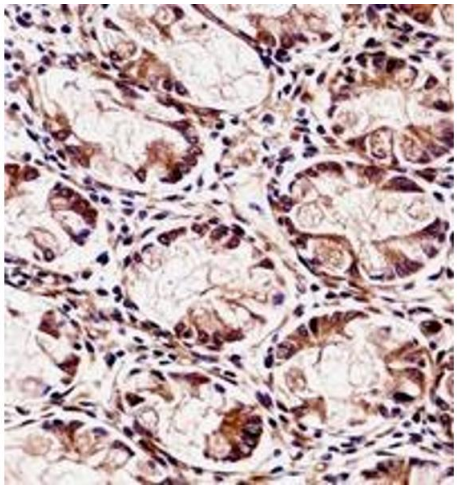
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C

Handling

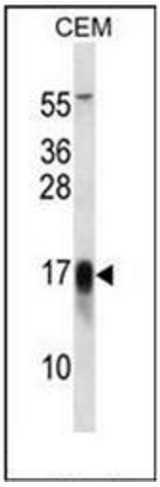
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry analysis in formalin fixed and paraffin embedded human rectum tissue reacted with Dysadherin / FXYD5 Antibody (Center) followed by peroxidase conjugation of the secondary antibody and DAB staining.



Western Blotting

Image 2. Western blot analysis of Dysadherin / FXYD5 Antibody (Center) in CEM cell line lysates (35ug/lane). This demonstrates the FXYD5 antibody detected the FXYD5 protein (arrow).