10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Goat Anti-Dysadherin Antibody

Peptide-affinity purified goat antibody

Catalog # AF1348a

Specification

Goat Anti-Dysadherin Antibody - Product Information

Application	**WB**
Primary Accession	Q96DB9
Other Accession	NP_001158077, 53827
Reactivity	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**100ug/200ul**
Isotype	**IgG**
Calculated MW	**19472**

Goat Anti-Dysadherin Antibody - Additional Information

Gene ID 53827

Other Names
FXYD domain-containing ion transport regulator 5, Dysadherin, FXYD5, DYSAD, IWU1

Format
0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-Dysadherin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-Dysadherin Antibody - Protein Information

Name FXYD5

Synonyms DYSAD, IWU1

Function
Involved in down-regulation of E-cadherin which results in reduced cell adhesion. Promotes metastasis.

Cellular Location
Membrane; Single-pass type I membrane protein

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Goat Anti-Dysadherin Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat Anti-Dysadherin Antibody - Images

AF1348a staining (0.5 µg/ml) of Human Spleen lysate (RIPA buffer, 30 µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Goat Anti-Dysadherin Antibody - 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.]

Goat Anti-Dysadherin Antibody - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.

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Differential expression of dysadherin in papillary thyroid carcinoma and microcarcinoma: correlation with E-cadherin. Batistatou A, et al. Endocr Pathol, 2008 Fall. PMID 18677652.
FXYD5 modulates Na+ absorption and is increased in cystic fibrosis airway epithelia. Miller TJ, et al. Am J Physiol Lung Cell Mol Physiol, 2008 Apr. PMID 18263667.