

# Anti-FXYD5/Dysadherin (Extracellular region) Antibody

Catalog # AN1799

### **Specification**

# Anti-FXYD5/Dysadherin (Extracellular region) Antibody - Product Information

Application WB, IHC
Primary Accession Q96DB9
Host Mouse

Clonality Mouse Monoclonal

Isotype IgG1
Calculated MW 19472

### Anti-FXYD5/Dysadherin (Extracellular region) Antibody - Additional Information

Gene ID 53827

**Other Names** 

FXYD domain-containing ion transport regulator 5, Dysadherin, FXYD5, DYSAD, IWU1, HSPC113, UNQ2561/PRO6241

### Target/Specificity

The Na+/K+ ATPase is an integral membrane heterodimer belonging to the P-type ATPase family. This ion channel uses the energy derived from ATP hydrolysis to maintain membrane potential by driving Na+ export and K+ import across the plasma membrane. It is composed of a large catalytic  $\alpha$  subunit and a membrane-spanning auxiliary  $\beta$  subunit. In humans, the Na+/K+ ATPase is a binary complex of an  $\alpha$  subunit that has four isoforms ( $\alpha$ 1- $\alpha$ 4) and a  $\beta$ -subunit that has three isoforms ( $\beta$ 1,  $\beta$ 2,  $\beta$ 3). In addition, the Na+/K+ ATPase can interact with a group of regulatory subunits, the FXYD type I membrane protein family. This family contains FXYD1-7, and each member contains the conserved F-X-Y-D motif in the trans-membrane domain. FXYD5 (Dysadherin) is expressed in a variety of cells and tissue, as well as upregulated in carcinomas. FXYD5 contains extensive O-glycosylation, and is expressed as molecules that range from 35 to 55 kDa depending on cell type. FXYD5 can reduce E-cadherin mediated cell-cell adhesions, and may be involved in carcinogenesis.

## **Dilution**

WB~~1:1000 IHC~~1:100~500

#### 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**

Anti-FXYD5/Dysadherin (Extracellular region) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## **Shipping**

Blue Ice

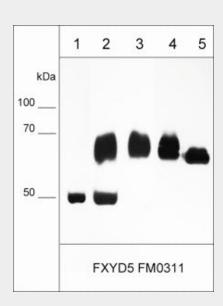


# Anti-FXYD5/Dysadherin (Extracellular region) Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# Anti-FXYD5/Dysadherin (Extracellular region) Antibody - Images



Immunocytochemical labeling of FXYD5 in paraformaldehyde fixed human MDA-MB-231 cells. The cells were labeled with mouse monoclonal FXYD5 (FM0311). The antibody was detected using goat anti-mouse Ig DyLight® 594.

# Anti-FXYD5/Dysadherin (Extracellular region) Antibody - Background

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