

## Product datasheet for **TA349652S**

### **FXYD1 Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Mouse heart tissue IHC: 50-200 Positive control: Human tonsil Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human FXYD1
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	10 kDa
Gene Name:	FXYD domain containing ion transport regulator 1
Database Link:	<a href="#">NP_068702</a> <a href="#">Entrez Gene 58971 Rat</a> <a href="#">Entrez Gene 5348 Human</a> <a href="#">O00168</a>



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**Background:**

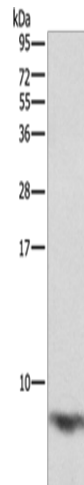
This gene encodes a member of a family of small membrane proteins that share a 35-amino acid signature sequence domain, beginning with the sequence PFXYD and containing 7 invariant and 6 highly conserved amino acids. The approved human gene nomenclature for the family is FXYD-domain containing ion transport 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.

**Synonyms:**

PLM

**Protein Families:**

Ion Channels: Other, Transmembrane

**Product images:**

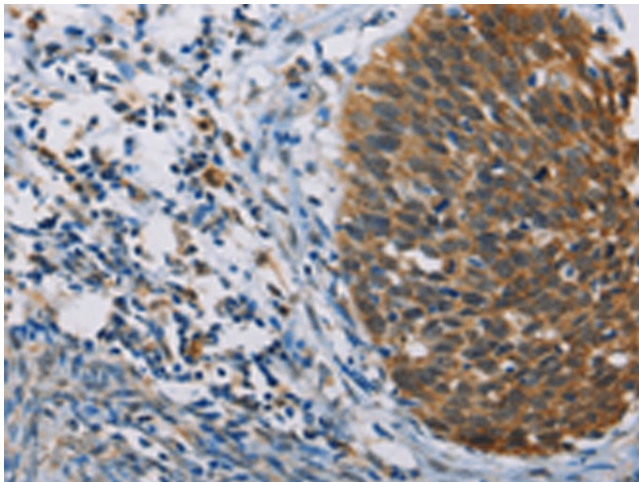
Gel: 12%SDS-PAGE

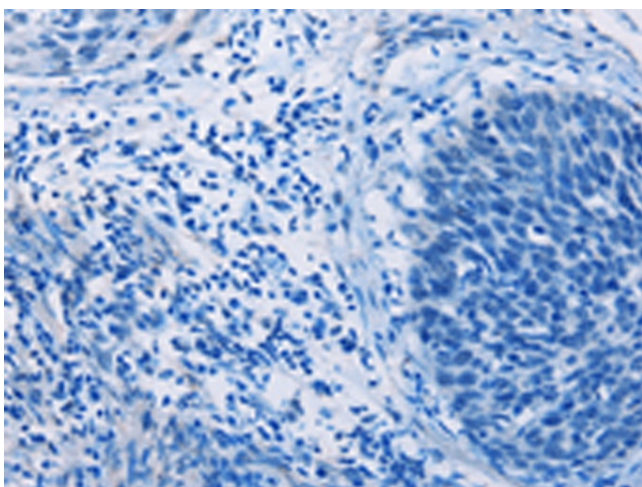
Lysate: 40 µg

Lane: Mouse heart tissue

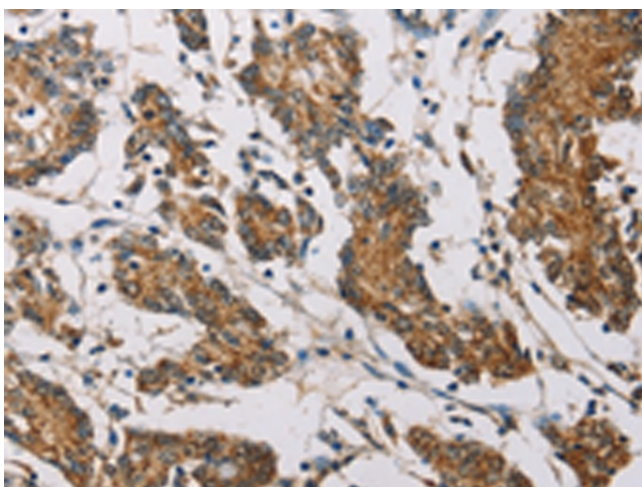
Primary antibody: [TA349652] (FXYD1 Antibody)  
at dilution 1/1290Secondary antibody: Goat anti rabbit IgG at  
1/8000 dilution

Exposure time: 1 second

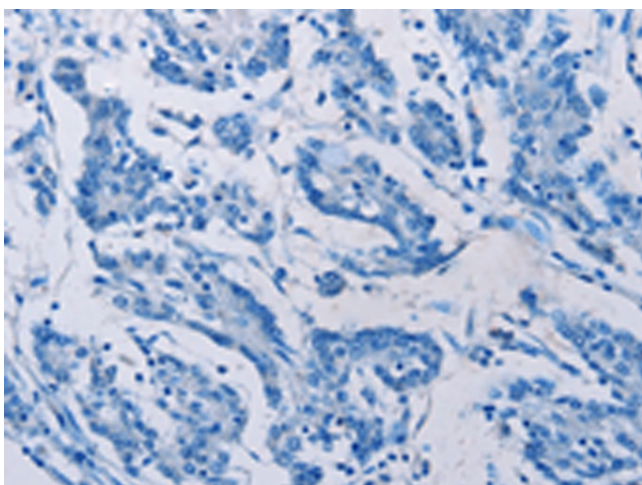
Immunohistochemistry of paraffin-embedded  
Human tonsil tissue using [TA349652] (FXYD1  
Antibody) at dilution 1/60 (Original magnification:  
×200)



Immunohistochemistry of paraffin-embedded Human tonsil tissue using [TA349652] (FXYD1 Antibody) at dilution 1/60, treated with fusion protein. (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using [TA349652] (FXYD1 Antibody) at dilution 1/60 (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using [TA349652] (FXYD1 Antibody) at dilution 1/60, treated with fusion protein. (Original magnification: x200)