Datasheet for ABIN3043831

anti-FXYD1 antibody (AA 21-92)

4 Images

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Overview

Quantity:	100 µg
Target:	FXYD1
Binding Specificity:	AA 21-92
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FXYD1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Phospholemman(FXYD1) detection. Tested with WB, IHC-P in Human,Rat,Mouse.
Immunogen:	E.coli-derived human FXYD1 recombinant protein (Position: E21-R92). Human FXYD1 shares 86.1% and 87.5% amino acid (aa) sequence identity with mouse and rat FXYD1, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Phospholemman(FXYD1) detection. Tested with WB, IHC-P in Human,Rat,Mouse. Gene Name: FXYD domain containing ion transport regulator 1 Protein Name: Phospholemman
Purification:	Immunogen affinity purified.

Target Details

Target:	FXYD1
Alternative Name:	FXYD1 (FXYD1 Products)
Background:	Phospholemman is a protein that in humans is encoded by the FXYD1 gene. 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. 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. The protein encoded by this gene is a plasma membrane substrate for several kinases, including protein kinase A, protein kinase C, NIMA kinase, and myotonic dystrophy kinase. Transcript variants with different 5' UTR sequences have been described in the literature. Synonyms: FXYD domain containing ion transport regulator 1 antibody|Phospholemman antibody|PLM antibody
Gene ID:	5348
UniProt:	O00168

Application Details

Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

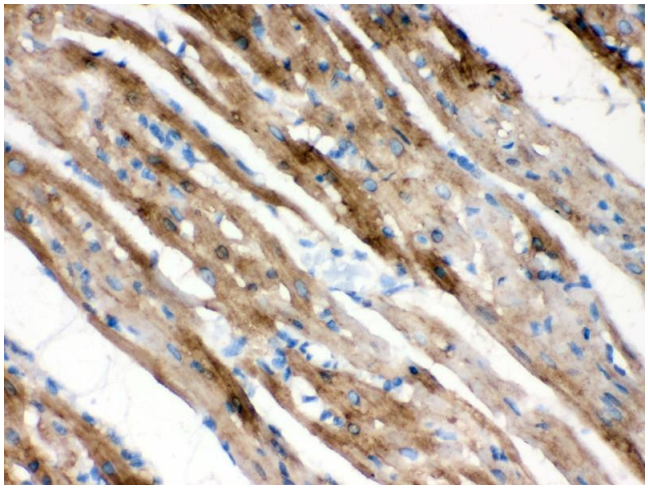
Handling

Format:	Lyophilized

Handling

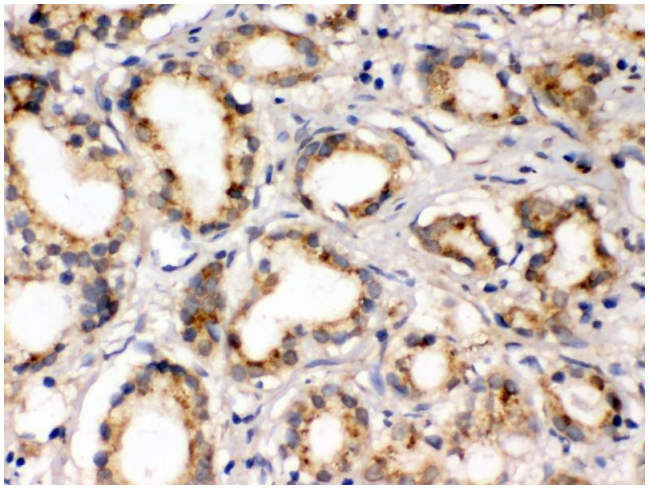
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



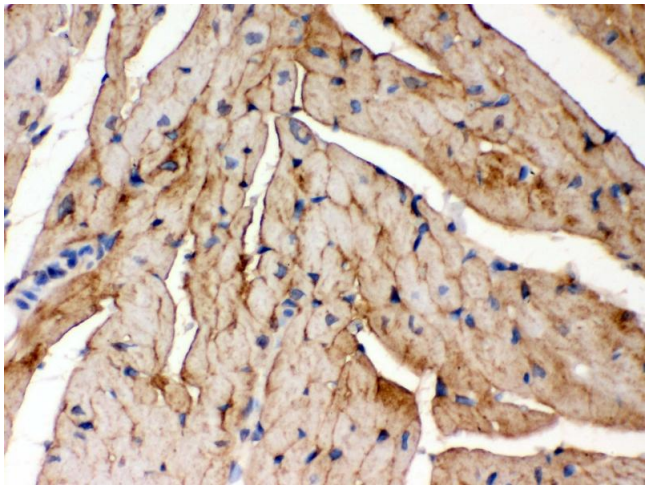
Immunohistochemistry

Image 1. Anti- FXYZ1 Picoband antibody, IHC(P) IHC(P): Rat Cardiac Muscle Tissue



Immunohistochemistry

Image 2. Anti- FXYZ1 Picoband antibody, IHC(P) IHC(P): Human Prostatic Cancer Tissue



Immunohistochemistry

Image 3. Anti- FXYZ1 Picoband antibody, IHC(P) IHC(P): Mouse Cardiac Muscle Tissue

Please check the product details page for more images. Overall 4 images are available for ABIN3043831.