

Datasheet for ABIN7267278
anti-FXYD1 antibody (AA 1-92)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	FXYD1
Binding Specificity:	AA 1-92
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FXYD1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	FXYD1 Rabbit pAb
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 1-92 of human FXYD1 (NP_005022.2).
Sequence:	MASLGHILVF CVGLLTMAKA ESPKEHDPFT YDYQSLQIGG LVIAGILFIL GILIVLSRRC RCKFNQQQRT GEPDEEEGTF RSSIRRLSTR RR
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	FXYP1
Alternative Name:	FXYP1 (FXYP1 Products)
Background:	<p>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 PFXYP and containing 7 invariant and 6 highly conserved amino acids. The approved human gene nomenclature for the family is FXYP-domain containing ion transport regulator. Mouse FXYP5 has been termed RIC (Related to Ion Channel). FXYP2, also known as the gamma subunit of the Na,K-ATPase, regulates the properties of that enzyme. FXYP1 (phospholemman), FXYP2 (gamma), FXYP3 (MAT-8), FXYP4 (CHIF), and FXYP5 (RIC) have been shown to induce channel activity in experimental expression systems. Transmembrane topology has been established for two family members (FXYP1 and FXYP2), 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. It is thought to form an ion channel or regulate ion channel activity. Transcript variants with different 5' UTR sequences have been described in the literature.,FXYP1,PLM,Cancer,Signal Transduction,Endocrine & Metabolism,Cardiovascular,Heart,Contractility,FXYP1</p>
Molecular Weight:	10kDa
Gene ID:	5348
UniProt:	O00168

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

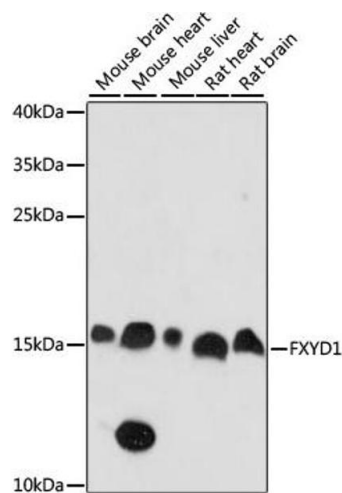
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using FXYD1 antibody (ABIN7267278) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 90s.