

Datasheet for ABIN1882173  
**anti-FXYD1 antibody (N-Term)**[Go to Product page](#)

1 Image

1 Publication

## Overview

Quantity:	400 µL
Target:	FXYD1
Binding Specificity:	AA 21-57, N-Term
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This Mouse PLM antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of mouse PLM.
Clone:	RB0857
Isotype:	Ig Fraction
Predicted Reactivity:	Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	FXYD1
Alternative Name:	PLM ( <a href="#">FXYD1 Products</a> )
Background:	This gene encodes a member of the FXYD family of small membrane proteins that share a 35-

## Target Details

amino acid signature sequence domain, beginning with the sequence PFXVD and containing 7 invariant and 6 highly conserved amino acids. 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 and act as an accessory protein of Na,K-ATPase. Alternative splicing of this gene results in multiple transcript variants which encode the same protein.

Molecular Weight: 10323

NCBI Accession: [NP\\_062376](#), [NP\\_443717](#), [NP\\_443718](#), [NP\\_919302](#)

UniProt: [Q9Z239](#)

## Application Details

Application Notes: WB: 1:1000

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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.

Storage: 4 °C, -20 °C

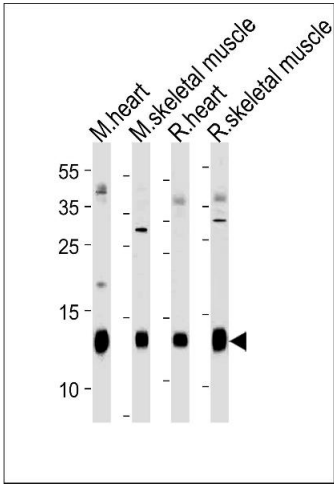
Expiry Date: 6 months

## Publications

Product cited in: Zampagni, Cascella, Casamenti, Grossi, Evangelisti, Wright, Becatti, Liguri, Mannini, Campioni, Chiti, Cecchi: "A comparison of the biochemical modifications caused by toxic and non-toxic protein oligomers in cells." in: **Journal of cellular and molecular medicine**, Vol. 15, Issue 10, pp. 2106-16, (2011) ([PubMed](#)).

Liao, Lasbury, Wang, Zhang, Durant, Murakami, Matsufuji, Lee: "Pneumocystis mediates overexpression of antizyme inhibitor resulting in increased polyamine levels and apoptosis in

alveolar macrophages." in: **The Journal of biological chemistry**, Vol. 284, Issue 12, pp. 8174-84, (2009) ([PubMed](#)).



Western Blotting

**Image 1.** PLM Antibody (E1) (ABIN1882173 and ABIN2844827) western blot analysis in mouse heart,skeletal muscle and rat heart,skeletal muscle tissue lysates (35  $\mu$ g/lane).This demonstrates the PLM antibody detected the PLM protein (arrow).