

Product datasheet

Anti-FXYD1 antibody [41AT858.235] ab38685

★★★★☆ 1 Abreviews 1 Image

Overview

Product name	Anti-FXYD1 antibody [41AT858.235]
Description	Mouse monoclonal [41AT858.235] to FXYD1
Tested applications	Suitable for: ELISA, WB
Species reactivity	Reacts with: Mouse
Immunogen	KLH-conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S68 of mouse PLM.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	Preservative: 0.09% Sodium Azide Constituents: PBS
Purity	Protein G purified
Purification notes	This antibody is purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
Clonality	Monoclonal
Clone number	41AT858.235
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab38685** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		1/1000.
WB	★★★★☆	1/100 - 1/500. Predicted molecular weight: 10 kDa.

Target

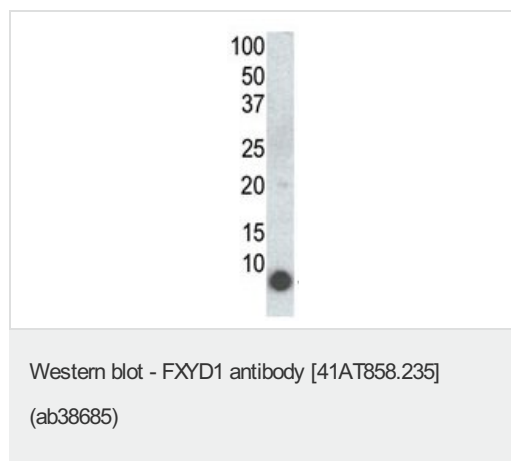
Relevance

PLM (FXYP1) is 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. 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. PLM may be phosphorylated by 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.

Cellular localization

Membrane; single-pass type I membrane protein

Images



Anti-FXYP1 antibody [41AT858.235] (ab38685) at 1/100 dilution + 293 cells transfected with a plasmid encoding PLM.

Predicted band size : 10 kDa

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