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FXYD7 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18030a

Specification

FXYD7 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	P58549
Other Accession	NP_071289.1
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**8524**
Antigen Region	**1-30**

FXYD7 Antibody (N-term) - Additional Information

Gene ID 53822

Other Names
FXYD domain-containing ion transport regulator 7, FXYD7

Target/Specificity
This FXYD7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human FXYD7.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
FXYD7 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

FXYD7 Antibody (N-term) - Protein Information

Name FXYD7

Cellular Location
Membrane; Single-pass membrane protein

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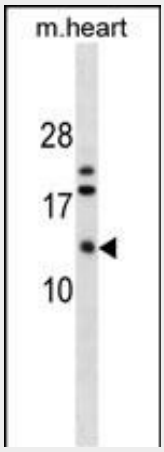
FXYD7 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

FXYD7 Antibody (N-term) - Images



FXYD7 Antibody (N-term) (Cat. #AP18030a) western blot analysis in mouse heart tissue lysates (35ug/lane).This demonstrates the FXYD7 antibody detected the FXYD7 protein (arrow).

FXYD7 Antibody (N-term) - Background

This reference sequence was derived from multiple replicate ESTs and validated by similar human genomic sequence. 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. 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. 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. This gene product, FXYD7, is novel and has not been characterized as a protein. [RefSeq curation by Kathleen J. Sweadner, Ph.D., sweadner@helix.mgh.harvard.edu.].

FXYD7 Antibody (N-term) - References

Bailey, S.D., et al. Diabetes Care (2010) In press :
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
Beguin, P., et al. EMBO J. 21(13):3264-3273(2002)
Sweadner, K.J., et al. Genomics 68(1):41-56(2000)
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