

FXYD7 Antibody (N-term) Blocking Peptide

Synthetic peptide Catalog # BP18030a

Specification

FXYD7 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession

P58549

FXYD7 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 53822

Other Names

FXYD domain-containing ion transport regulator 7, FXYD7

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

FXYD7 Antibody (N-term) Blocking Peptide - Protein Information

Name FXYD7

Cellular Location

Membrane; Single-pass membrane protein

FXYD7 Antibody (N-term) Blocking Peptide - Protocols

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

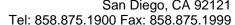
Blocking Peptides

FXYD7 Antibody (N-term) Blocking Peptide - Images

FXYD7 Antibody (N-term) Blocking Peptide - Background

This reference sequence was derived from multiplereplicate 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 highlyconserved 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, alsoknown 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 toinduce channel activity in experimental expression systems. Thisgene product, FXYD7, is novel and has not been characterized as aprotein. [RefSeg curation by Kathleen J. Sweadner, Ph.D.,sweadner@helix.mgh.harvard.edu.].

FXYD7 Antibody (N-term) Blocking Peptide - 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)Gale, M. Jr., et al. Mol. Cell. Biol. 18(2):859-871(1998)