

FXYP7 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP18030a**Specification**

FXYP7 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [P58549](#)**FXYP7 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 53822**Other Names**

FXYP domain-containing ion transport regulator 7, FXYP7

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.

FXYP7 Antibody (N-term) Blocking Peptide - Protein Information**Name** FXYP7**Cellular Location**

Membrane; Single-pass membrane protein

FXYP7 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

FXYP7 Antibody (N-term) Blocking Peptide - Images**FXYP7 Antibody (N-term) Blocking Peptide - 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 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. Transmembrane topology has been

established for two family members(FXYD1 and FXYD2), with the N-terminus extracellular and theC-terminus on the cytoplasmic side of the membrane. FXYD2, alsoknown as the gamma subunit of the Na,K-ATPase, regulates theproperties 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. [RefSeq 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)Beguín, 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)