FXYD7 blocking peptide (CDBP5468)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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., Dec 2000]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 μg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	FXYD7 FXYD domain containing ion transport regulator 7 [Homo sapiens (human)]

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Official Symbol	FXYD7
Synonyms	FXYD7; FXYD domain containing ion transport regulator 7; FXYD domain-containing ion transport regulator 7
Entrez Gene ID	53822
mRNA Refseq	NM_022006
Protein Refseq	NP_071289
UniProt ID	P58549
Pathway	Ion channel transport; Ion transport by P-type ATPases; Transmembrane transport of small molecules
Function	ATPase binding; ion channel activity

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