



Anti-FXYD7 monoclonal antibody (DCABH-11636)

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.

Immunogen	A synthetic peptide of human FXYD7 is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	FXYP7 FXYP domain containing ion transport regulator 7 [Homo sapiens]
Official Symbol	FXYP7
Synonyms	FXYP7; FXYP domain containing ion transport regulator 7; FXYP domain-containing ion transport regulator 7; FLJ25096;
Entrez Gene ID	53822
Protein Refseq	NP_071289
UniProt ID	P58549
Chromosome Location	19q13.1
Function	ATPase binding; ion channel activity;