

DNAxPAb

Hard-to-Find
Antibody

FXYD2 DNAxPab

Catalog # H00000486-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a partial-length human FXYD2 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Extracellular membrane domain (ECD) human DNA
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — FXYD2

Entrez GeneID	486
GeneBank Accession#	NM_001680.3
Protein Accession#	NP_001671.2
Gene Name	FXVD2
Gene Alias	ATP1G1, HOMG2, MGC12372
Gene Description	FXVD domain containing ion transport regulator 2
Omim ID	154020 601814
Gene Ontology	Hyperlink
Gene Summary	<p>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 PFXVD and containing 7 invariant and 6 highly conserved amino acids. The approved human gene nomenclature for the family is FXVD-domain containing ion transport regulator. Mouse FXVD5 has been termed RIC (Related to Ion C channel). FXVD2, also known as the gamma subunit of the Na,K-ATPase, regulates the properties of that enzyme. FXVD1 (phospholemman), FXVD2 (gamma), FXVD3 (MAT-8), FXVD4 (CHIF), and FXVD5 (RIC) have been shown to induce channel activity in experimental expression systems. Transmembrane topology has been established for two family members (FXVD1 and FXVD2), with the N-terminus extracellular and the C-terminus on the cytoplasmic side of the membrane. The Type III integral membrane protein encoded by this gene is the gamma subunit of the Na,K-ATPase present on the plasma membrane. Although the Na,K-ATPase does not depend on the gamma subunit to be functional, it is thought that the gamma subunit modulates the enzyme's activity by inducing ion channel activity. Mutations in this gene have been associated with renal hypomagnesaemia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]</p>
Other Designations	ATPase, Na ⁺ /K ⁺ transporting, gamma 1 polypeptide FXVD domain-containing ion transport regulator 2 Sodium-potassium-ATPase, gamma polypeptide hypomagnesemia 2, renal