

Product datasheet for **TA338705**

FXYD7 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-FXYD7 antibody: synthetic peptide directed towards the N terminal of human FXYD7. Synthetic peptide located within the following region: MATPTQTPKAPEEPDPFYDYNTVQTVGMTLATILFLLGILIVISKVK
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	8 kDa
Gene Name:	FXYD domain containing ion transport regulator 7
Database Link:	NP_071289 Entrez Gene 53822 Human P58549



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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 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]. ##Evidence-Data-START## Transcript exon combination :: BC018619.1, AK057825.1 [ECO:0000332] RNAseq introns :: single sample supports all introns ERS025083, ERS025084 [ECO:0000348] ##Evidence-Data-END## COMPLETENESS: complete on the 3' end.

Synonyms:

FLJ25096

Note:

Immunogen Sequence Homology: Human: 100%; Bovine: 77%

Protein Families:

Ion Channels: Other, Transmembrane

Product images:

WB Suggested Anti-FXYD7 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:312500; Positive Control: Human Spleen