

FXYD3 Rabbit Polyclonal Antibody

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Catalog # AP93538

Product Information

Application	IHC-P, IF, ICC
Primary Accession	Q14802
Reactivity	Human, Mouse, Rat
Host	Polyclonal, Rabbit, IgG
Clonality	Polyclonal
Calculated MW	9263

Additional Information

Gene ID	5349
Other Names	FXYD domain-containing ion transport regulator 3, Chloride conductance inducer protein Mat-8, Mammary tumor 8 kDa protein, Phospholemman-like, Sodium/potassium-transporting ATPase subunit FXYD3, FXYD3, MAT8, PLML
Dilution	IHC-P~~N/A IF~~1:50~200 ICC~~N/A
Storage Conditions	-20°C

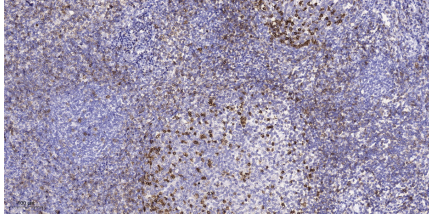
Protein Information

Name	FXYD3
Synonyms	MAT8, PLML
Function	Associates with and regulates the activity of the sodium/potassium-transporting ATPase (NKA) which transports Na(+) out of the cell and K(+) into the cell (PubMed: 17077088). Reduces glutathionylation of the NKA beta-1 subunit ATP1B1, thus reversing glutathionylation-mediated inhibition of ATP1B1 (PubMed: 21454534). Induces a hyperpolarization-activated chloride current when expressed in Xenopus oocytes (PubMed: 7836447).
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Isoform 1: Expressed mainly in differentiated cells (at protein level). Isoform 2: Expressed mainly in undifferentiated cells (at protein level).

Background

This gene belongs to a small family of FXYD-domain containing regulators of Na⁺/K⁺ ATPases which share a 35-amino acid signature sequence domain, beginning with the sequence PFXYD, and containing 7 invariant and 6 highly conserved amino acids. This gene encodes a cell membrane protein that may regulate the function of ion-pumps and ion-channels. This gene may also play a role in tumor progression. Alternative splicing results in multiple transcript variants encoding distinct isoforms.[provided by RefSeq, Oct 2008],

Images



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

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