

Product datasheet for **CF504620**

FXYD3 Mouse Monoclonal Antibody [Clone ID: OTI4E3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4E3
Applications:	IF, IHC, WB
Recommended Dilution:	WB 1:500~2000, IHC 1:150, IF 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human FXYD3(NP_005962) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	7.1 kDa
Gene Name:	FXYD domain containing ion transport regulator 3
Database Link:	NP_005962 Entrez Gene 5349 Human Q14802



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Background:

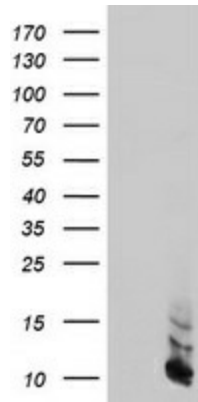
This gene belongs to a small family of FXYD-domain containing regulators of Na⁺/K⁺ ATPases which share a 35-amino acid signature sequence domain, beginning with the sequence PFXYD, and containing 7 invariant and 6 highly conserved amino acids. This gene encodes a cell membrane protein that may regulate 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.

Synonyms:

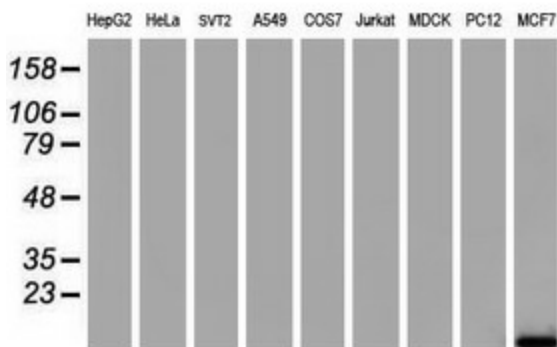
MAT8; PLML

Protein Families:

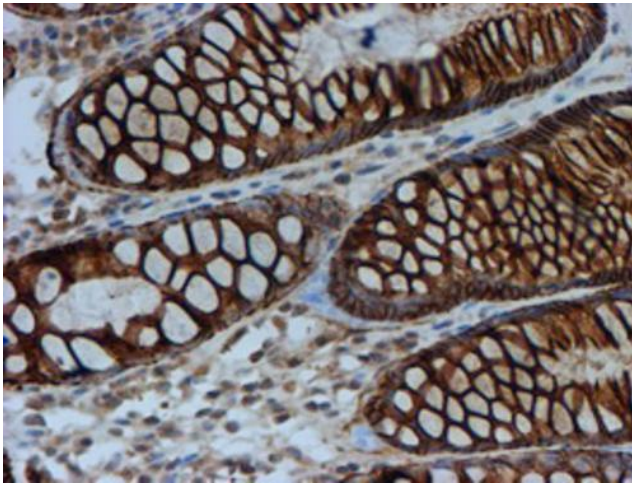
Ion Channels: Other, Transmembrane

Product images:


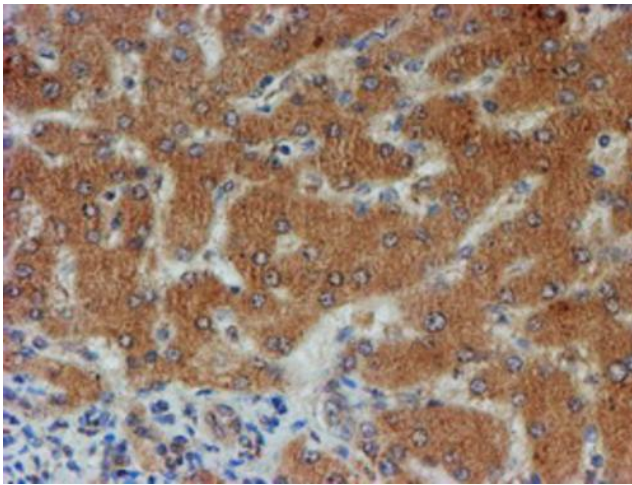
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY FXYD3 ([RC213945], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-FXYD3. Positive lysates [LY416954] (100ug) and [LC416954] (20ug) can be purchased separately from OriGene.



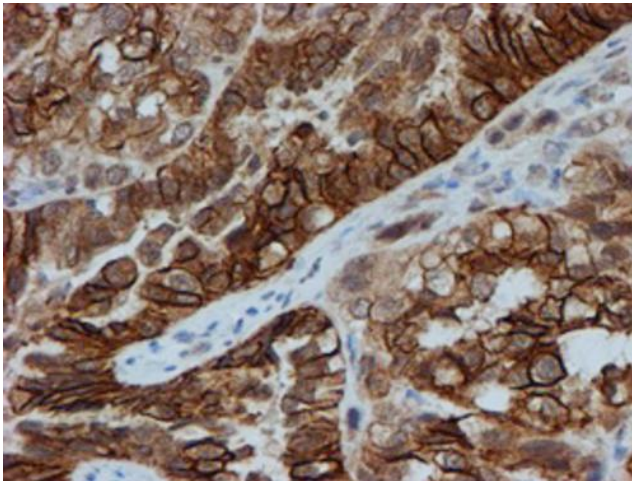
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-FXYD3 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



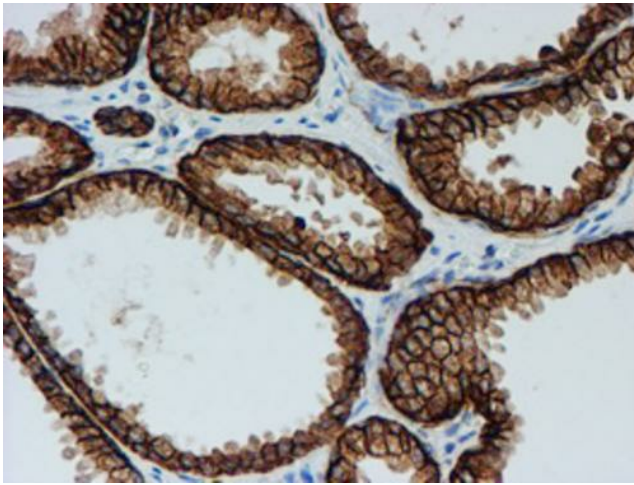
Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-FXYD3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504620])



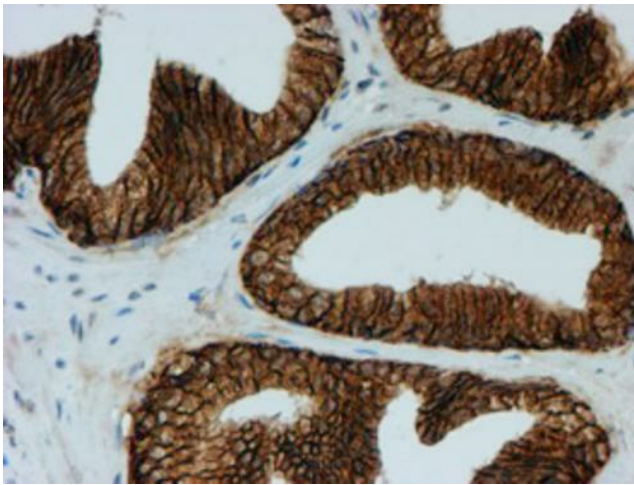
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-FXYD3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504620])



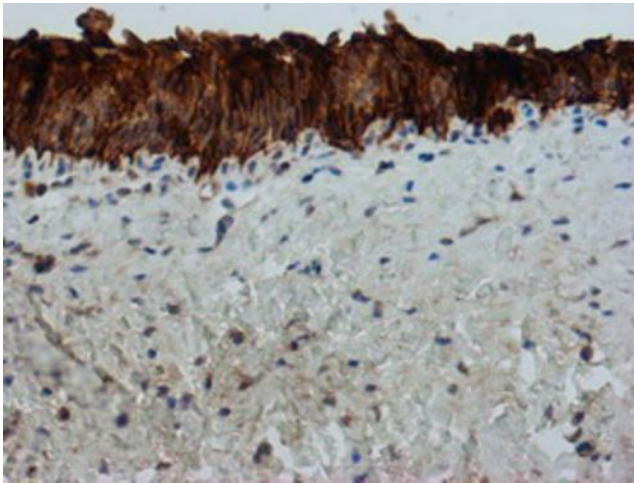
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-FXYD3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504620])



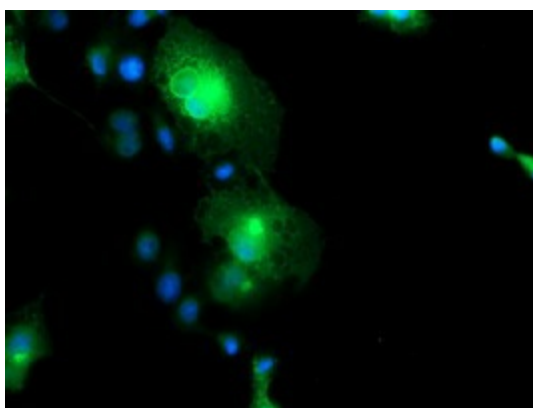
Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-FXYD3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504620])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-FXYD3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504620])



Immunohistochemical staining of paraffin-embedded Human bladder tissue within the normal limits using anti-FXYD3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504620])



Anti-FXYD3 mouse monoclonal antibody ([TA504620]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY FXYD3 ([RC213945]).