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Product datasheet for TA504620

FXYD3 Mouse Monoclonal Antibody [Clone ID: OTI4E3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4E3
Applications:	IF, IHC, WB
Recommend 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:	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1.11 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Predicted Protein Size:	7.1 kDa
Gene Name:	FXYD domain containing ion transport regulator 3
Database Link:	NP_005962 Entrez Gene 5349 Human
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

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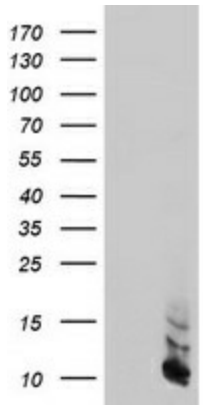
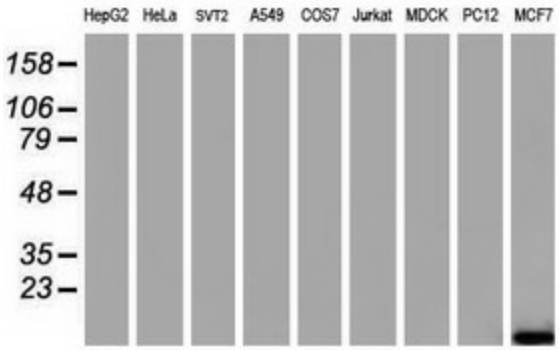
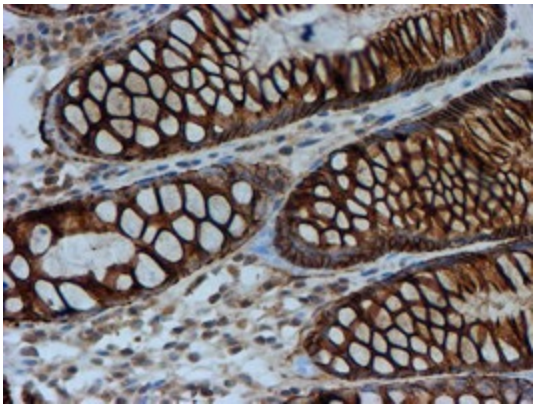
Product images:



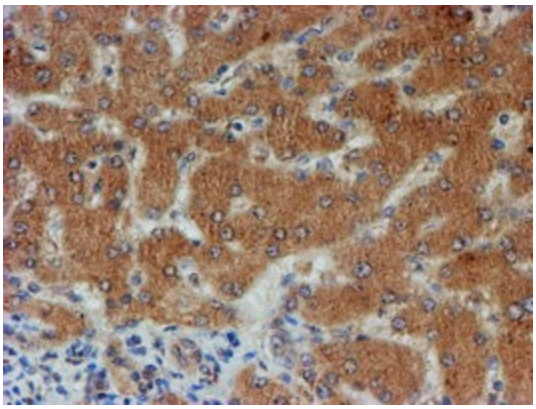
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY FXYD3 ([RC213945], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-FXYD3. Positive lysates [LY416954] (100ug) and [LC416954]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



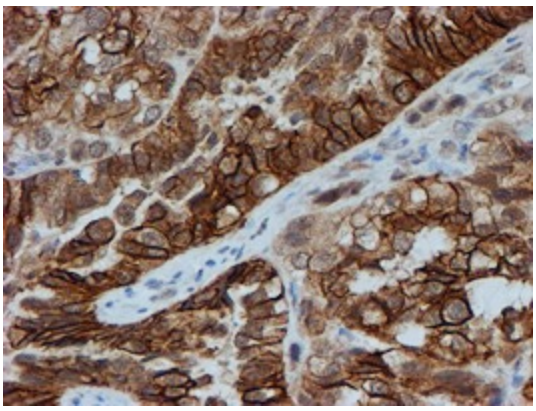
Western blot analysis of extracts (35ug) from 9 different cell lines by usin g anti-FXYD3 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



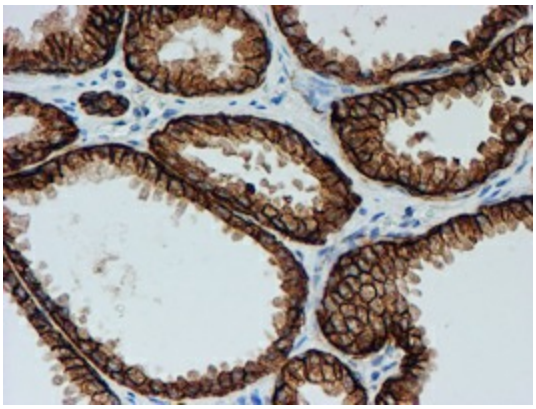
Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-FXYD3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA504620)



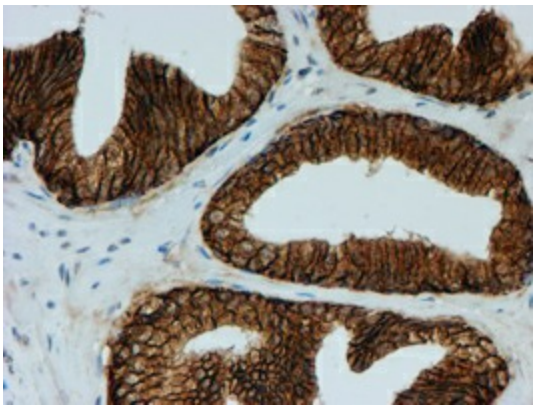
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-FXYD3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA504620)



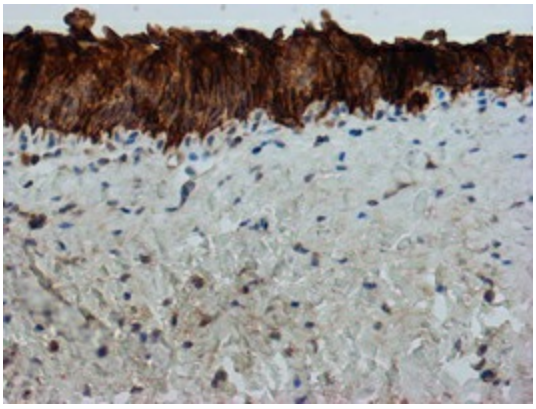
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-FXYD3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA504620)



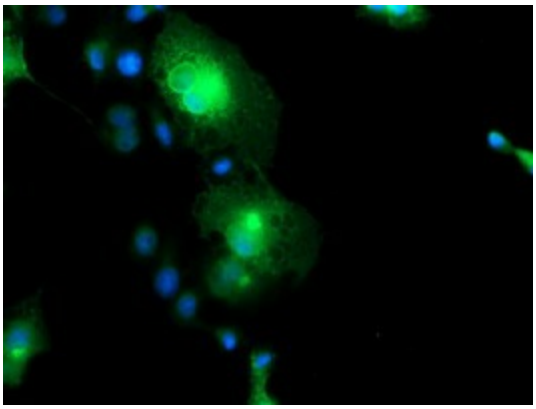
Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-FXYD3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA504620)



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]).