

For Research Use Only

FXVD2 Polyclonal ANTIBODY



Catalog Number: 11198-1-AP **1 Publications**

Basic Information

Catalog Number: 11198-1-AP	GenBank Accession Number: BC013289	Purification Method: Antigen affinity purification
Size: 150UL, Concentration: 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 486	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200
Source: Rabbit	Full Name: FXVD domain containing ion transport regulator 2	
Isotype: IgG	Calculated MW: 7 kDa	
Immunogen Catalog Number: AG1676	Observed MW: 7 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB: HEK-293 cells, human liver tissue, human skeletal muscle tissue, mouse skeletal muscle tissue, human kidney tissue
Cited Applications: IHC	IHC: human pancreas cancer tissue,
Species Specificity: human, mouse, rat	
Cited Species: mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

FXVD2 (FXVD domain-containing ion transport regulator 2), also known as the gamma-subunit of the NaK-ATPase, belongs to the FXVD family which has been proposed to be the regulators of Na, K-ATPase function by lowering affinities of the system for potassium and sodium. The expression of FXVD2 is most abundant in kidney, while it is also detected in several other tissues like placenta, pancreas, and dorsal root ganglia (DRGs). Three splice variants of FXVD2 have been reported in mouse kidney, namely FXVD2 γ a, γ b, and γ c. FXVD2 γ a has been identified as a pancreatic beta cell-specific biomarker. This antibody can recognize all three isoforms of FXVD2.

Notable Publications

Author	Pubmed ID	Journal	Application
Lu Catherine P CP	22770217	Cell	IHC

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

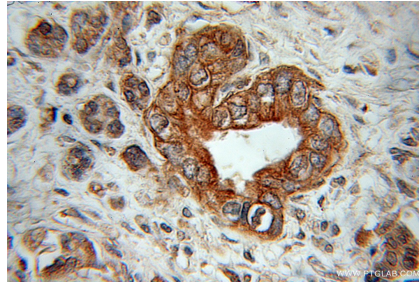
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 11198-1-AP (FXYD2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer using 11198-1-AP (FXYD2 antibody) at dilution of 1:100 (under 10x lens).