

For Research Use Only

# FXYD2 Polyclonal antibody

Catalog Number: 11198-1-AP **5 Publications**



## Basic Information

<b>Catalog Number:</b> 11198-1-AP	<b>GenBank Accession Number:</b> BC013289	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 300 µg/ml	<b>GeneID (NCBI):</b> 486	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P54710	
<b>Isotype:</b> IgG	<b>Full Name:</b> FXYD domain containing ion transport regulator 2	
<b>Immunogen Catalog Number:</b> AG1676	<b>Calculated MW:</b> 7 kDa	
	<b>Observed MW:</b> 7 kDa	

## Applications

### Tested Applications:

IHC, WB, ELISA

### Cited Applications:

WB, IF, IHC

### Species Specificity:

human, rat

### Cited Species:

human, rat, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

**WB:** human kidney tissue, human liver tissue, human skeletal muscle tissue

**IHC:** human pancreas cancer tissue,

## Background Information

FXYD2 (FXYD domain-containing ion transport regulator 2), also known as the gamma-subunit of the NaK-ATPase, belongs to the FXYD 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 FXYD2 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 FXYD2 have been reported in mouse kidney, namely FXYD2  $\gamma$  a,  $\gamma$  b, and  $\gamma$  c. FXYD2  $\gamma$  a has been identified as a pancreatic beta cell-specific biomarker. This antibody can recognize all three isoforms of FXYD2.

## Notable Publications

Author	Pubmed ID	Journal	Application
Zedan Zhang	36313180	J Immunol Res	WB,IF
Hwee-Yeong Ng	34836340	Nutrients	IHC
Laure-Anne Teuwen	34133923	Cell Rep	IF

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% 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: 4006900926

E: Proteintech-CN@ptglab.com

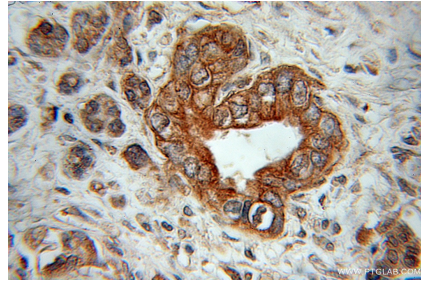
W: ptgcn.com

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## Selected Validation Data



human kidney tissue were subjected to SDS PAGE followed by western blot with 11198-1-AP (FXD2 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 (FXD2 antibody) at dilution of 1:100 (under 10x lens).