

For Research Use Only

# Uroguanylin Polyclonal antibody



Catalog Number: 18113-1-AP

1 Publications

## Basic Information

<b>Catalog Number:</b> 18113-1-AP	<b>GenBank Accession Number:</b> BC093779	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 260 µg/ml by Nanodrop and 173 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 2981	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500 IF 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> guanylate cyclase activator 2B (uroguanylin)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 112 aa, 12 kDa	
<b>Immunogen Catalog Number:</b> AG12589	<b>Observed MW:</b> 12-13 kDa	

## Applications

### Tested Applications:

IF, IHC, WB, ELISA

### Cited Applications:

IHC

### 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**

### Positive Controls:

WB : mouse pancreas tissue, mouse colon tissue, mouse small intestine tissue, rat pancreas tissue

IHC : human kidney tissue, human colon cancer tissue, human stomach tissue

IF : HepG2 cells,

## Background Information

Uroguanylin, also named as GUCA2B, is a candidate intestinal natriuretic hormone that controls the sodium and water balance between the intestine and the kidneys. It has been reported that the uroguanylin knockout mouse exhibits elevated blood pressure. Therefore, the GUCA2B gene is thought to be a susceptibility gene for essential hypertension (EH).

## Notable Publications

Author	Pubmed ID	Journal	Application
Nobuhiko Ebisutani	33381053	Front Physiol	IHC

## 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

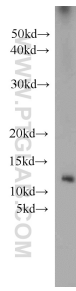
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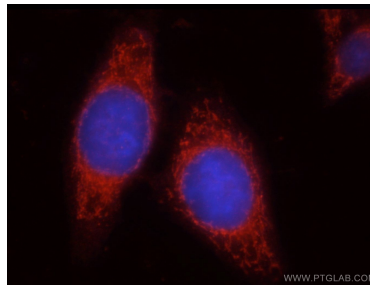
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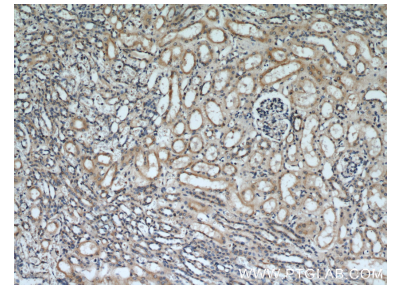
## Selected Validation Data



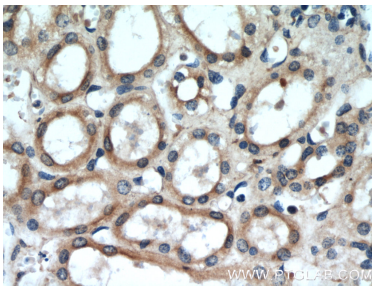
mouse pancreas tissue were subjected to SDS PAGE followed by western blot with 18113-1-AP (Uroguanylin antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HepG2 cells using 18113-1-AP (Uroguanylin antibody) at dilution of 1:50 and Rhodamine-labeled goat anti-rabbit IgG (red).



Immunohistochemical analysis of paraffin-embedded human kidney using 18113-1-AP (Uroguanylin antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney using 18113-1-AP (Uroguanylin antibody) at dilution of 1:50 (under 40x lens).