

For Research Use Only

# Uromodulin Polyclonal antibody

Catalog Number: 11911-1-AP

3 Publications



## Basic Information

### Catalog Number:

11911-1-AP

### Size:

450 ug/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG2494

### GenBank Accession Number:

BC035975

### GeneID (NCBI):

7369

### UNIPROT ID:

P07911

### Full Name:

uromodulin

### Calculated MW:

640 aa, 70 kDa

### Observed MW:

90-105 kDa, 55-75 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:8000

IHC 1:500-1:2000

IF-P 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF-P, ELISA

### Cited Applications:

IHC, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human

### Positive Controls:

WB : human urine sample, mouse kidney tissue, rat kidney tissue

IHC : human kidney tissue,

IF-P : mouse kidney tissue,

**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

Uromodulin, also known as THP (Tamm-Horsfall glycoprotein), is the most abundant protein excreted in the urine under physiological conditions. Uromodulin is synthesized by the kidney and localizes in cells lining the ascending limb of Henle and distal convoluted tubule. Uromodulin has been linked to water/electrolyte balance and to kidney innate immunity. Also, studies in knockout mice demonstrated that it has a protective role against urinary tract infections and renal stone formation. Mutations in the gene encoding uromodulin lead to rare autosomal dominant diseases, collectively referred to as uromodulin-associated kidney diseases. (PMID: 21654721)

## Notable Publications

Author	Pubmed ID	Journal	Application
An-Jing Chen	31515730	Sci China Life Sci	IF
Ngoentra Tantranont	34307986	Kidney Int Rep	IHC
Keiko Tanaka	29987860	Nephrology (Carlton)	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

For technical support and original validation data for this product please contact:

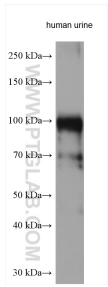
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

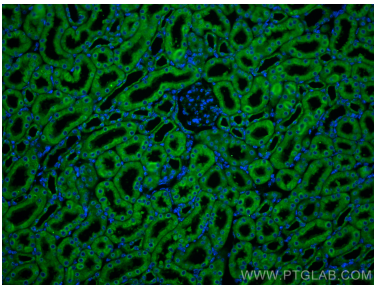
W: [ptgcn.com](http://ptgcn.com)

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

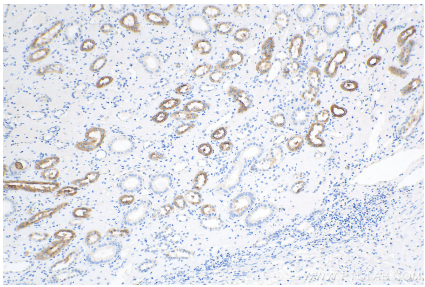
# Selected Validation Data



human urine sample were subjected to SDS PAGE followed by western blot with 11911-1-AP (Uromodulin antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse kidney tissue using Uromodulin antibody (11911-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 11911-1-AP (Uromodulin antibody) at dilution of 1:1000 (under 10x lens).