

For Research Use Only

Uromodulin Polyclonal antibody

Catalog Number: 11911-1-AP **3 Publications**



Basic Information

Catalog Number: 11911-1-AP	GenBank Accession Number: BC035975	Purification Method: Antigen affinity purification
Size: 450 µg/ml	GeneID (NCBI): 7369	Recommended Dilutions: WB 1:1000-1:8000 IHC 1:500-1:2000
Source: Rabbit	UNIPROT ID: P07911	
Isotype: IgG	Full Name: uromodulin	
Immunogen Catalog Number: AG2494	Calculated MW: 640 aa, 70 kDa	
	Observed MW: 90-105 kDa, 55-75 kDa	

Applications

Tested Applications:
IHC, WB, ELISA

Cited Applications:
IF, IHC

Species Specificity:
human, mouse, rat

Cited Species:
human

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 urine sample, mouse kidney tissue, rat kidney tissue

IHC: human kidney tissue,

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:

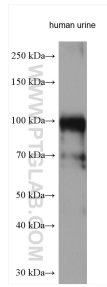
T: 4006900926

E: Proteintech-CN@ptglab.com

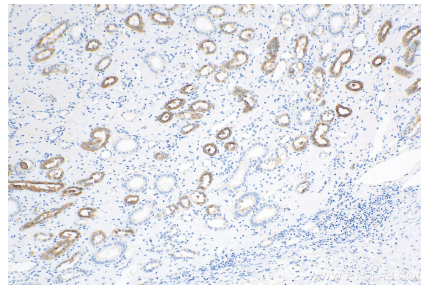
W: ptgcn.com

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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.



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