

For Research Use Only

Uromodulin Polyclonal antibody

Catalog Number: 11911-1-AP

3 Publications



Basic Information

Catalog Number:

11911-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

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

*** 20ul sizes contain 0.1% BSA

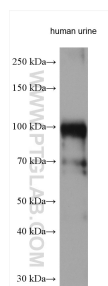
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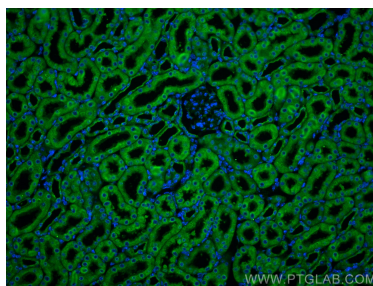
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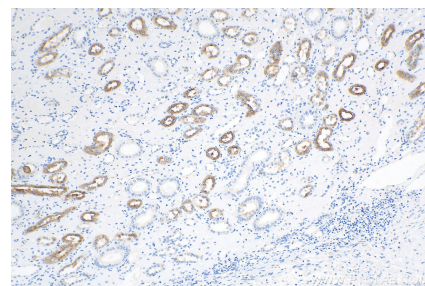
Selected Validation Data



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.



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).