

Uromodulin Polyclonal antibody

Catalog Number: 29975-1-AP

Basic Information

Catalog Number: 29975-1-AP	GenBank Accession Number: BC035975	Purification Method: Antigen affinity purification
Size: 300 µg/ml	GeneID (NCBI): 7369	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:5000-1:20000 IF-P 1:50-1:500
Source: Rabbit	UNIPROT ID: P07911	
Isotype: IgG	Full Name: uromodulin	
Immunogen Catalog Number: AG32343	Calculated MW: 640 aa, 70 kDa Observed MW: 80-90 kDa	

Applications

Tested Applications:

IF-P, IHC, WB, ELISA

Species Specificity:

Human, 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 urine sample,

IHC : human kidney tissue,

IF-P : mouse 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)

Storage

Storage:

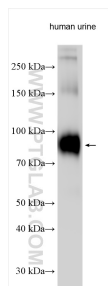
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

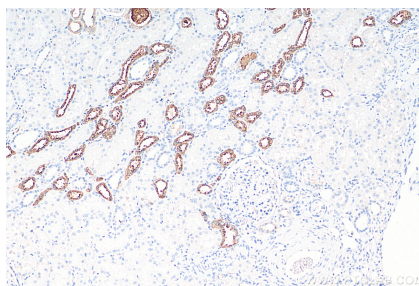
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

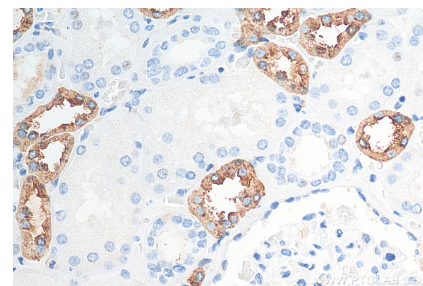
Selected Validation Data



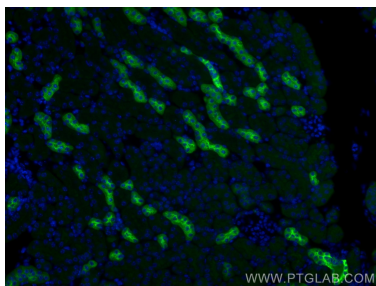
human urine sample were subjected to SDS PAGE followed by western blot with 29975-1-AP (Uromodulin antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



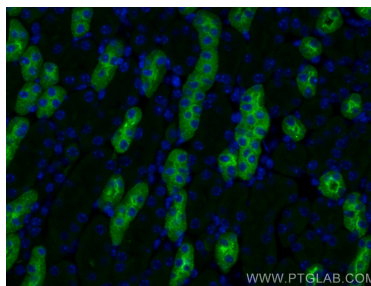
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 29975-1-AP (Uromodulin antibody) at dilution of 1:10000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 29975-1-AP (Uromodulin antibody) at dilution of 1:10000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse kidney tissue using Uromodulin antibody (29975-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse kidney tissue using Uromodulin antibody (29975-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).