

For Research Use Only

# Uromodulin Recombinant antibody

Catalog Number: 85597-4-RR



## Basic Information

<b>Catalog Number:</b> 85597-4-RR	<b>GenBank Accession Number:</b> NM_009470.5	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 22242	<b>CloneNo.:</b> 242258H4
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q91X17	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:200-1:800 IF-P 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> Uromodulin	
<b>Immunogen Catalog Number:</b> EG2748	<b>Calculated MW:</b> 71 kDa	
	<b>Observed MW:</b> 110 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF-P, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> mouse	<b>WB :</b> mouse kidney tissue,
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> mouse kidney tissue,
	<b>IF-P :</b> 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 is linked to water/electrolyte balance and 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

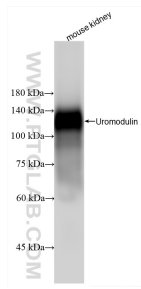
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

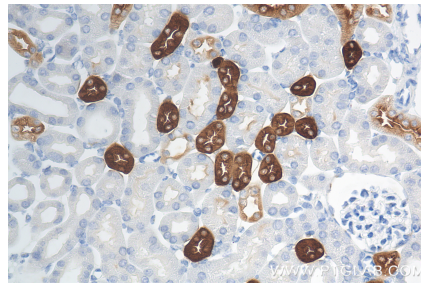
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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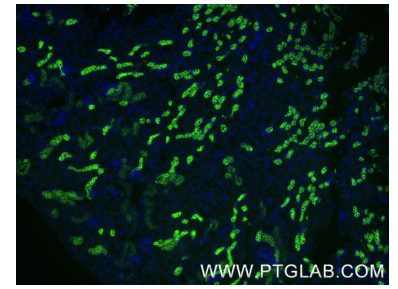
## Selected Validation Data



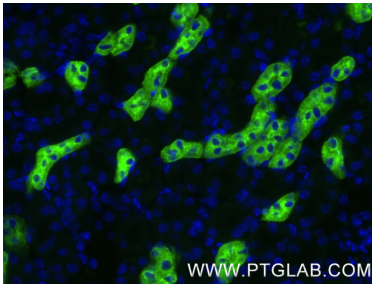
Various lysates were subjected to SDS PAGE followed by western blot with 85597-4-RR (Uromodulin antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 85597-4-RR (Uromodulin antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse kidney tissue using Uromodulin antibody (85597-4-RR, Clone: 242258H4 ) 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).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse kidney tissue using Uromodulin antibody (85597-4-RR, Clone: 242258H4 ) 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).