

## Uromodulin Polyclonal Antibody

Catalog number: 11911-1-AP

Size: 20 µg/150 µl

Source: Rabbit

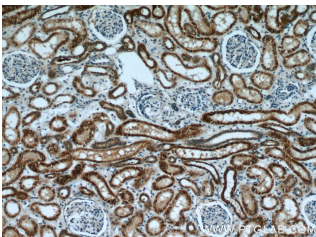
Isotype: IgG

Synonyms:

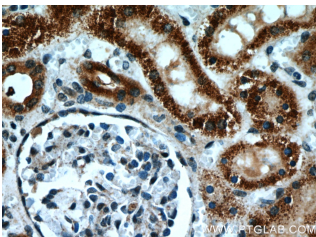
UMOD; ADMCKD2, FJHN,

HNFJ, MCKD2, THGP, THP,

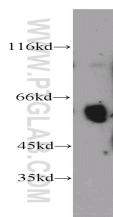
UMOD, uromodulin



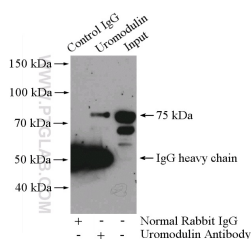
Immunohistochemical of paraffin-embedded human kidney using 11911-1-AP(UMOD antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemical of paraffin-embedded human kidney using 11911-1-AP(UMOD antibody) at dilution of 1:50 (under 40x lens)



human heart tissue were subjected to SDS PAGE followed by western blot with 11911-1-AP(UMOD antibody) at dilution of 1:400



IP Result of anti-UMOD

(IP:11911-1-AP, 4µg;

### Background

Uromodulin, also known as THP (Tamm-Horsfall glycoprotein), is the most abundant protein excreted in the urine under physiological conditions. Uromodulin is synthesized by 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)

### Applications

Tested applications:	ELISA, WB, IHC, IP
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated Uromodulin MW:	640aa, 70 kDa
Observed Uromodulin MW:	55-75 kDa
Positive WB detected in	Human heart tissue, human brain tissue, mouse brain tissue
Positive IP detected in	Mouse brain tissue
Positive IHC detected in	Human kidney tissue
Recommended dilution:	WB: 1:200-1:2000 IP: 1:200-1:2000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag2494
GenBank accession number:	BC035975
Gene ID (NCBI):	7369
Full name:	Uromodulin

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

Detection:11911-1-AP 1:500)  
with mouse brain tissue lysate  
4000ug.