10320 Camino Santa Fe, Suite G
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# Uromucoid Polyclonal Antibody
**Purified Rabbit Polyclonal Antibody (Pab)**
**Catalog # AP57977**

## Specification

### Uromucoid Polyclonal Antibody - Product Information

| | |
|---|---|
| Application | **IHC-P, WB, IF, FC** |
| Primary Accession | Q91X17 |
| Reactivity | **Rat, Bovine** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Calculated MW | **70845** |

### Uromucoid Polyclonal Antibody - Additional Information

**Gene ID** 22242

**Other Names**
Uromodulin, Tamm-Horsfall urinary glycoprotein, THP, Uromodulin, secreted form, Umod

**Format**
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ℃.

### Uromucoid Polyclonal Antibody - Protein Information

**Name** Umod

**Function**
[Uromodulin]: Functions in biogenesis and organization of the apical membrane of epithelial cells of the thick ascending limb of Henle's loop (TALH), where it promotes formation of complex filamentous gel-like structure that may play a role in the water barrier permeability. May serve as a receptor for binding and endocytosis of cytokines (IL-1, IL-2) and TNF. Facilitates neutrophil migration across renal epithelia.

**Cellular Location**
[Uromodulin, secreted form]: Secreted. Note=Detected in urine

**Tissue Location**
Detected in urine (secreted form). Detected in kidney thick ascending limb epithelial cells (at protein level)

### Uromucoid Polyclonal Antibody - Protocols

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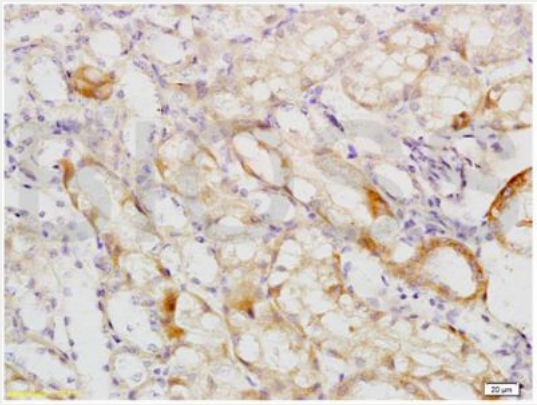
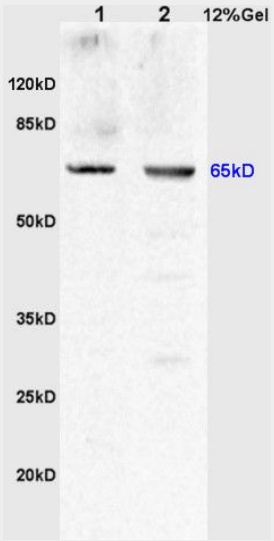
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

**Uromucoid Polyclonal Antibody - Images**



Tissue/cell: mouse kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;
Incubation: Anti-MCKD2/UMOD Polyclonal Antibody, Unconjugated(bs-2189R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining




Sample:
Lane1: Kidney(Rat) Lysate at 30 ug
Lane2: Kidney carcinoma(Human) Lysate at 30 ug
Primary: Anti-MCKD2/UMOD (bs-2189R) at 1:200 dilution;

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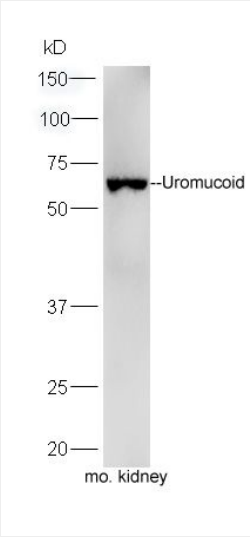
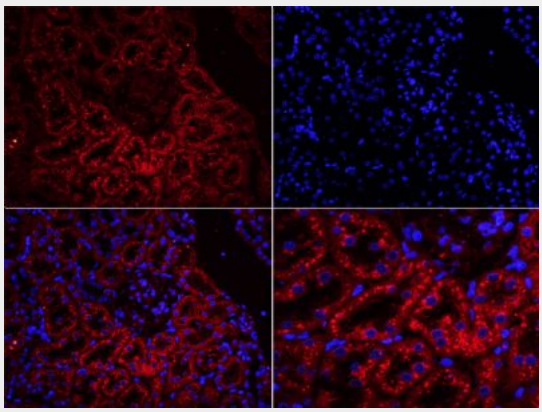
Secondary: HRP conjugated Goat Anti-Rabbit IgG(bs-0295G-HRP) at 1: 3000 dilution;
Predicted band size : 65kD
Observed band size : 65kD




Sample: Kidney(Mouse) lysate at 30 ug;
Primary: Anti-Uromucoid (bs-2189R) at 1:300 dilution;
Secondary: HRP conjugated Goat-Anti-rabbit IgG(bs-0295G-HRP) at 1: 5000 dilution;
Predicted band size:61/65 kD
Observed band size:65 kD



Tissue/cell: rat kidney tissue;4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;
Incubation: Anti-Uromucoid Polyclonal Antibody, Unconjugated(bs-2189R) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated(bs-0295G-Cy3)used at 1:200 dilution for 40 minutes at 37°C. DAPI(5ug/ml,blue,C-0033) was used to stain the cell nuclei

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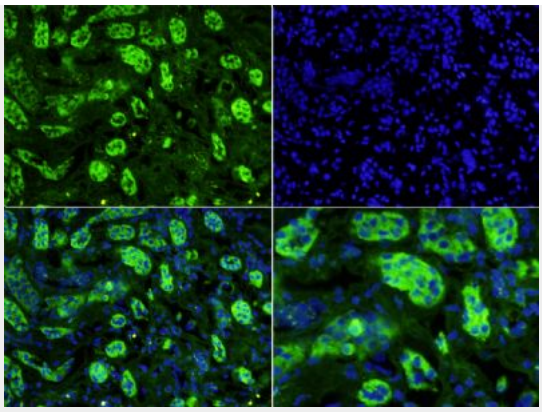
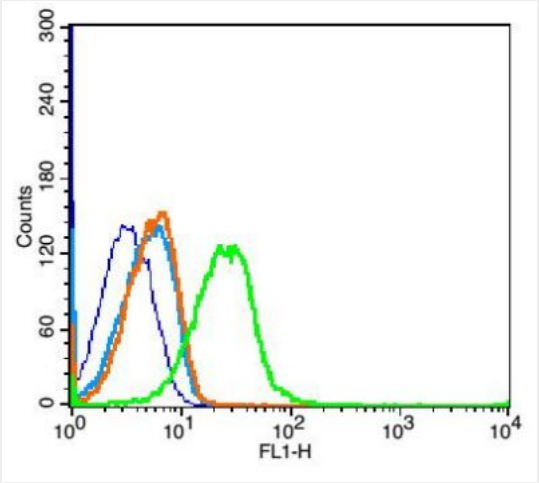


Tissue/cell: human kidney tissue;4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;
Incubation: Anti-Uromucoid Polyclonal Antibody, Unconjugated(bs-2189R) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated(bs-0295G-FITC)used at 1:200 dilution for 40 minutes at 37°C. DAPI(5ug/ml,blue,C-0033) was used to stain the cell nuclei




Blank control: Mouse kidney (blue).
Primary Antibody:Rabbit Anti-Coxsackie Adenovirus Receptor antibody (bs-2189R,Green); Dilution: 1 μg in 100 μL 1X PBS containing 0.5% BSA;
Isotype Control Antibody: Rabbit IgG(orange) ,used under the same conditions;
Secondary Antibody: Goat anti-rabbit IgG-FITC(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA.
Protocol
The cells were fixed with 2% paraformaldehyde for 10 min at 37℃. Primary antibody (bs-2189R, 1 μg /1x10^6 cells) were incubated for 30 min at room temperature, followed by 1 X PBS containing 0.5% BSA + 10% goat serum (1 hour) to block non-specific protein-protein interactions. Then the Goat Anti-rabbit IgG/FITC antibody was added into the blocking buffer mentioned above to react with the primary antibody at 1/200 dilution for 40 min at room temperature. Acquisition of 20,000 events was performed.