

Anti-Uromodulin Antibody
Rabbit polyclonal antibody to Uromodulin
Catalog # AP59726**Specification**

Anti-Uromodulin Antibody - Product Information

Application	WB
Primary Accession	P07911
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	69761

Anti-Uromodulin Antibody - Additional Information**Gene ID** 7369**Other Names**

Uromodulin; Tamm-Horsfall urinary glycoprotein; THP

Target/Specificity

Recognizes endogenous levels of Uromodulin protein.

Dilution

WB~~WB (1/500 - 1/1000)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C.Stable for 12 months from date of receipt

Anti-Uromodulin 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 (Probable). May serve as a receptor for binding and endocytosis of cytokines (IL-1, IL-2) and TNF (PubMed:3498215). Facilitates neutrophil migration across renal epithelia (PubMed:20798515).

Cellular Location

Apical cell membrane; Lipid-anchor, GPI-anchor. Basolateral cell membrane; Lipid-anchor,

GPI-anchor. Cell projection, cilium membrane. Note=Only a small fraction sorts to the basolateral pole of tubular epithelial cells compared to apical localization (PubMed:22776760). Secreted into urine after cleavage (PubMed:18375198, PubMed:26811476). Colocalizes with NPHP1 and KIF3A (PubMed:20172860).

Tissue Location

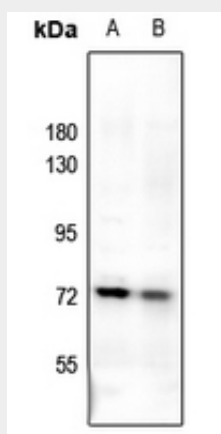
Expressed in the tubular cells of the kidney. Most abundant protein in normal urine (at protein level). Synthesized exclusively in the kidney. Expressed exclusively by epithelial cells of the thick ascending limb of Henle's loop (TALH) and of distal convoluted tubule lumen.

Anti-Uromodulin Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Uromodulin Antibody - Images



Western blot analysis of Uromodulin expression in K562 (A), HEK293T (B) whole cell lysates.

Anti-Uromodulin Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Uromodulin. The exact sequence is proprietary.