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Anti-Uromodulin Antibody

Catalog # AP59726

Product Information

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

Additional Information

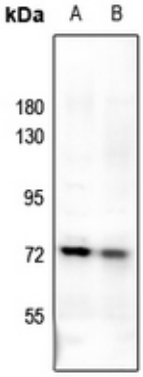
Gene ID	7369
Other Names	Uromodulin; Tamm-Horsfall urinary glycoprotein; THP
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Uromodulin. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

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.

Images



Western blot analysis of Uromodulin expression in K562 (A), HEK293T (B) whole cell lysates. (Predicted band size: 69 kD; Observed band size: 70 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.