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Product datasheet for TA346059

Uromucoid (UMOD) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-UMOD antibody: synthetic peptide directed towards the C terminal of human UMOD. Synthetic peptide located within the following region: PTCSGTRFRSGSVIDQSRVLNLGPITRKGVQATVSRAFSSLGLLKVWLPL
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	67 kDa
Gene Name:	uromodulin
Database Link:	NP_001008390 Entrez Gene 7369 Human P07911

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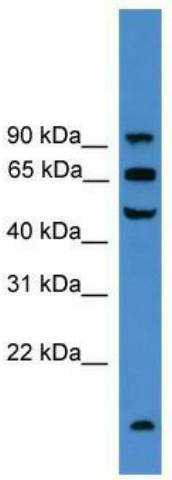
Background: This gene encodes uromodulin, the most abundant protein in normal urine. Its excretion in urine follows proteolytic cleavage of the ectodomain of its glycosyl phosphatidylinositol-anchored counterpart that is situated on the luminal cell surface of the loop of Henle. Uromodulin may act as a constitutive inhibitor of calcium crystallization in renal fluids. Excretion of uromodulin in urine may provide defense against urinary tract infections caused by uropathogenic bacteria. Defects in this gene are associated with the autosomal dominant renal disorders medullary cystic kidney disease-2 (MCKD2) and familial juvenile hyperuricemic nephropathy (FJHN). These disorders are characterized by juvenile onset of hyperuricemia, gout, and progressive renal failure. While several transcript variants may exist for this gene, the full-length natures of only two have been described to date. These two represent the major variants of this gene and encode the same isoform.

Synonyms: ADMCKD2; FJHN; HNFJ; HNFJ1; MCKD2; THGP; THP

Note: Immunogen Sequence Homology: Human: 100%; Bovine: 91%; Dog: 86%; Mouse: 85%

Product images:



WB Suggested Anti-UMOD Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 312500; Positive Control: THP-1 cell lysate

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