UMOD polyclonal antibody

Catalog # PAB15392 Size 2 mL

Specification

Product Description	Goat polyclonal antibody raised against UMOD.
Immunogen	Human UMOD.
Host	Goat
Reactivity	Human
Specificity	This product is suitable for use as a precipitating antibody. Cross-reactivity to other species may exi st. Antibody activity to other serum proteins is not present.
Form	Lyophilized
Recommend Usage	ELISA (1:400-1:2000) Immunohistochemistry (1:50-1:200) Western Blot (1:100-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 20 mM sodium phosphate buffer, 140 mM NaCl, pH 7.3 (0.05% sodium azide).
Storage Instruction	Store at 4°C on dry atmosphere. After reconstitution with 2 mL of deionized water, store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot
- Enzyme-linked Immunoabsorbent Assay
- Immunodiffusion

Gene Info — UMOD

Entrez GeneID	7369
Gene Name	UMOD
Gene Alias	ADMCKD2, FJHN, HNFJ, MCKD2, THGP, THP
Gene Description	uromodulin
Omim ID	162000 191845 603860 609886
Gene Ontology	Hyperlink
Gene Summary	This gene encodes uromodulin, the most abundant protein in normal urine. Its excretion in urine fol lows proteolytic cleavage of the ectodomain of its glycosyl phosphatidylinositol-anchored counterp art that is situated on the luminal cell surface of the loop of Henle. Uromodulin may act as a constit utive 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 ar e associated with the autosomal dominant renal disorders medullary cystic kidney disease-2 (MC KD2) and familial juvenile hyperuricemic nephropathy (FJHN). These disorders are characterized by juvenile onset of hyperuricemia, gout, and progressive renal failure. While several transcript var iants may exist for this gene, the full-length natures of only two have been described to date. Thes e two represent the major variants of this gene and encode the same isoform. [provided by RefSe q
Other Designations	OTTHUMP00000162212|Tamm-Horsfall glycoprotein|uromodulin (uromucoid, Tamm-Horsfall glyc oprotein)|uromucoid

Disease

- Chronic Disease
- Genetic Predisposition to Disease
- Gout
- Hypertension
- Kidney Calculi
- Kidney Diseases
- Kidney Failure
- Renal Insufficiency
- Urologic Diseases