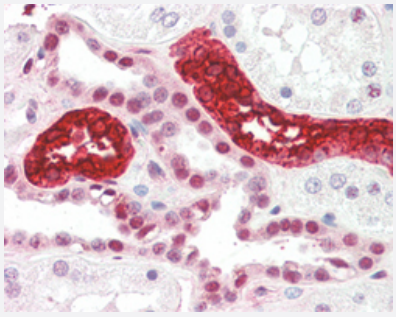
UMOD monoclonal antibody, clone 10.32 (FITC)

Catalog # MAB12564 Size 50 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney with UMOD monoclonal antibody, clone 10.32 (FITC) (Cat # MAB12564) at 1:50 dilution.

Specification

Product Description	Mouse monoclonal antibody raised against human UMOD.
Immunogen	Human UMOD
Host	Mouse
Reactivity	Human
Form	Liquid
Conjugation	FITC
Purification	Protein G purification
Isotype	IgG2b
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (EIA grade BSA, 0.02% sodium azide).
Storage Instruction	Store in the dark at 4°C. For long term storage store at -80°C. Avoid prolonged exposure to light.

Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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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