

## Datasheet

### UMOD monoclonal antibody, clone 10.32 (FITC)

**Catalog Number:** MAB12564

**Regulatory Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against human UMOD.

**Clone Name:** 10.32

**Immunogen:** Human UMOD

**Host:** Mouse

**Reactivity:** Human

**Applications:** IHC-P

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**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.

**Entrez GeneID:** 7369

**Gene Symbol:** UMOD

**Gene Alias:** ADMCKD2, FJHN, HNFJ, MCKD2, THGP, THP

**Gene Summary:** 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. [provided by RefSeq]