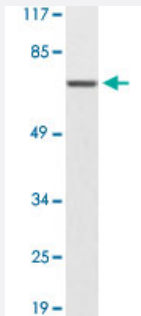


UMOD polyclonal antibody

Catalog # PAB25083 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of K-562 cell lysate with UMOD polyclonal antibody (Cat # PAB25083).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of UMOD.
Immunogen	A synthetic peptide corresponding to UMOD.
Host	Rabbit
Theoretical MW (kDa)	70
Reactivity	Human
Specificity	UMOD polyclonal antibody detects endogenous levels of UMOD protein.
Form	Liquid
Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (0.05% sodium azide)

Storage Instruction

Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

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

Applications

- Western Blot (Cell lysate)

Western blot analysis of K-562 cell lysate with UMOD polyclonal antibody (Cat # PAB25083).

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 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 nature 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]

Other Designations

OTTHUMP00000162212|Tamm-Horsfall glycoprotein|uromodulin (uromucoid, Tamm-Horsfall glycoprotein)|uromucoid

Disease

- [Chronic Disease](#)

- [Genetic Predisposition to Disease](#)
- [Gout](#)
- [Hypertension](#)
- [Kidney Calculi](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Renal Insufficiency](#)
- [Urologic Diseases](#)