

DNAxPAb

Hard-to-Find
Antibody

UMOD DNAxPab

Catalog # H00007369-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human UMOD DNA using DNAx™ Immune technology.

Technology [DNAx™ Immune](#)

Immunogen Full-length human DNA

Sequence MGQPSLTWMLMVVASWFITTAATDTSEARWCSECHSNATCTEDEAVTTCTCQEGFTGDGLTC
VDLDECAIPGAHNCSANSSCVNTPGSFSCVCEPGEFRLSPGLGCTDVDECAEPGLSHCHALATC
VNVVGSYLCVCPAGYRGDGDWHCECSPGSCGPLDCVPEGDALVCADPCQAHRTLDEYWRST
EYGEYACDTDLRGWYRPHPSSEDEGIVSRKACAHWSGHCCLDASVQVKACAGGYVYNLTAP
PECHLAYCTDPSSVEGTCEECSIDEDCKSNNGRWHCQCKQDFNITDISLLEHRLECGANDMKVS
LGKCQLKSLGFDKVFMYLSDSRCSGFNDRDNRDWWVSVTPARDGPCGTVLTRNETHATYSNTLY
LADEIIIRDNLNINFACSYPLDMKVSLKTALQPMVSALNIRVGGTGMFTVRMALFQTPSYTQPYQGS
SVTLSTEAFLYVGTMLDGGDLRSFALLMTNICYATPSSNATDPLKYFIQDRCPHTRDSTIQVVENGE
SSQGRFSVQMFRFAGNYDLVYLHCEVYLCDTMNEKCKPTCSGTRFRSGSVIDQSRVLNLGPITRK
GVQATVSRAFSSLGLLKVWLPLLLSATLTLTFQ

Host Rabbit

Reactivity Human

Purification Protein A

Quality Control Testing Antibody reactive against mammalian transfected lysate.

Storage Buffer In 1x PBS, pH 7.4

Storage Instruction Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — UMOD

Entrez GeneID [7369](#)

GeneBank Accession# [BC035975](#)

Protein Accession# [AAH35975](#)

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](#)