

Rabbit anti-Human UMOD Polyclonal Antibody | anti-UMOD antibody

UMOD Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286594	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

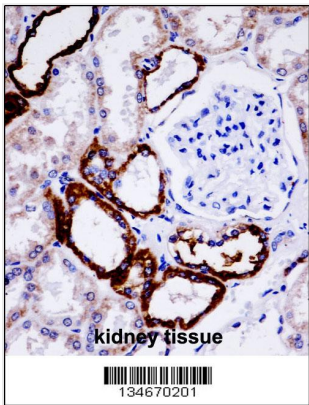
PRODUCT SYNONYMS

UMOD; Polyclonal Antibody; UMOD Antibody (Center); Uromodulin; Tamm-Horsfall urinary glycoprotein; THP; secreted form; anti-UMOD antibody

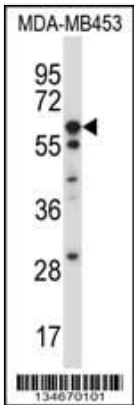
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This UMOD antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 352-380 amino acids from the Central region of human UMOD.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	352-380
Sequence Length	673
Applicable Applications for anti-UMOD antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
UMOD Antibody (Center) (AAA286594)immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of UMOD Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
UMOD Antibody (Center) western blot analysis in MDA-MB453 cell line lysates (35ug/lane).This demonstrates the UMOD antibody detected the UMOD protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-UMOD antibody	This gene encodes uromodulin, the most abundant protein in normal urine. Its excretion in urine follows proteolytic cleavage of the ectodomain of its glycosyl phosphatidylinosital-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.
Product Categories/Family for anti-UMOD antibody	Cell Biology
References	Mollsten, A., et al. Scand. J. Urol. Nephrol. 44(6):438-444(2010) Kottgen, A., et al. Nat. Genet. 42(5):376-384(2010) Davila, S., et al. Genes Immun. 11(3):232-238(2010) Gudbjartsson, D.F., et al. PLoS Genet. 6 (7), E1001039 (2010) : Pattaro, C., et al. BMC Med. Genet. 11, 41 (2010) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	56550049
NCBI GeneID	7369
NCBI Accession #	NP_001008390.1; NP_001265543.1; NP_003352.2
NCBI GenBank Nucleotide #	NM_001008389.2
UniProt Accession #	P07911; Q540J6; Q6ZS84; Q8IYG0; B3KP48; B3KRN9; E9PEA4
Molecular Weight	69761
NCBI Official Full Name	uromodulin isoform a preproprotein

NCBI Official Synonym Full Names	uromodulin
NCBI Official Symbol	UMOD
NCBI Official Synonym Symbols	THP; FJHN; HNFJ; THGP; HNFJ1; MCKD2; ADMCKD2
NCBI Protein Information	uromodulin
UniProt Protein Name	Uromodulin
UniProt Gene Name	UMOD
UniProt Synonym Gene Names	THP
UniProt Entry Name	UROM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/umod-antibody-immunohistochemistry-western-blot-elisa/286594>