Rabbit Tamm Horsfall Glycoprotein Polyclonal Antibody | anti-UMOD antibody

Tamm Horsfall Glycoprotein Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282413	**Rabbit**	**Human, Mouse, Rat**	**Immunocytochemistry, Immunofluorescence, Western Blot**

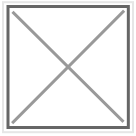
PRODUCT SYNONYMS

Tamm Horsfall Glycoprotein; Polyclonal Antibody; Tamm Horsfall Glycoprotein Rabbit pAb; THP; FJHN; HNFJ; THGP; HNFJ1; MCKD2; ADTKD1; ADMCKD2; anti-UMOD antibody

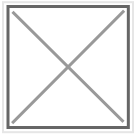
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	Liquid PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Applicable Applications for anti-UMOD antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Positive Samples	Mouse kidney
Cellular Location	apical plasma membrane, basolateral plasma membrane, cell surface, ciliary membrane, cilium, endoplasmic reticulum, extracellular exosome, extracellular space, Golgi lumen, spindle pole
Research Area	Cell Biology Developmental Biology
Immunogen	Recombinant protein of human Tamm Horsfall Glycoprotein.
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles. Ship: Ice Pack

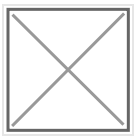
IMAGES



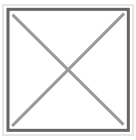
IF (Immunofluorescence)
Immunofluorescence analysis of Rat Kidney using Tamm Horsfall Glycoprotein Rabbit pAb (AAA282413) at dilution of 1:20 (40x lens). Blue: DAPI for nuclear staining.



IF (Immunofluorescence)
Immunofluorescence analysis of Mouse kidney using Tamm Horsfall Glycoprotein Rabbit pAb (AAA282413) at dilution of 1:20 (40x lens). Blue: DAPI for nuclear staining.



IF (Immunofluorescence)
Immunofluorescence analysis of Human kidney using Tamm Horsfall Glycoprotein Rabbit pAb (AAA282413) at dilution of 1:20 (40x lens). Blue: DAPI for nuclear staining.



WB (Western Blot)
Western blot analysis of Mouse kidney, using Tamm Horsfall Glycoprotein antibody (AAA282413) at 1:400 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.

ADDITIONAL INFORMATION

Related Product Information for anti-UMOD antibody	The protein encoded by this gene is the most abundant protein in mammalian urine under physiological conditions. 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. This protein may act as a constitutive inhibitor of calcium crystallization in renal fluids. Excretion of this protein in urine may provide defense against urinary tract infections caused by uropathogenic bacteria. Defects in this gene are associated with the renal disorders medullary cystic kidney disease-2 (MCKD2), glomerulocystic kidney disease with hyperuricemia and isosthenuria (GCKDHI), and familial juvenile hyperuricemic nephropathy (FJHN). Alternative splicing of this gene results in multiple transcript variants.
Product Categories/Family for anti-UMOD antibody	Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	59850812
NCBI GeneID	7369
NCBI Accession #	NP_003352.2
NCBI GenBank Nucleotide #	NM_003361.3
UniProt Accession #	P07911; Q540J6; Q6ZS84; Q8IYG0; B3KP48; B3KRN9; E9PEA4
Molecular Weight	69,761 Da
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; uromucoid; Tamm-Horsfall urinary glycoprotein
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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