

Mouse anti-Dog, Human UMOD / Uromodulin Monoclonal Antibody | anti-UMOD antibody

Mouse Monoclonal [clone 10.32] (IgG2b) to Human UMOD / Uromodulin

CATALOG # AAA51843	HOST Mouse	REACTIVITY Dog, Human	APPLICATIONS Immunohistochemistry
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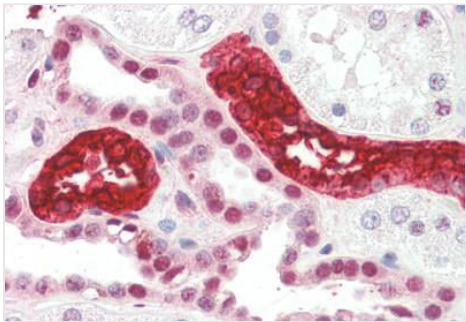
PRODUCT SYNONYMS

UMOD / Uromodulin; Monoclonal Antibody; Mouse Monoclonal [clone 10.32] (IgG2b) to Human UMOD / Uromodulin; Anti-UMOD / Uromodulin Antibody (clone 10.32; FITC) IHC-plus; UMOD; ADMCKD2; FJHN; HNFJ; MCKD2; THGP; THP; Uromucoid; Tamm-Horsfall glycoprotein; HNFJ1; Uromodulin; Human UMOD; anti-UMOD antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Dog, Human
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	10.32
Specificity	Anti-human Tamm-Horsfall protein (THP) is a monoclonal antibody which reacts with an epitope of the urinary mucoprotein. Tamm-Horsfall protein is a glycoprotein of approximately 80 kD containing up to 25% carbohydrate by weight.
Purity/Purification	Protein G Purified
Form/Format	PBS, 0.02% sodium azide, EIA grade BSA. Sourced in Ascites.
Concentration	0.1 mg/ml (varies by lot)
Sequence Length	640
Applicable Applications for anti-UMOD antibody	IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Human Tamm-Horsfall protein
Immunogen Type	Purified protein
Antibody Modification	FITC
Target	Human UMOD / Uromodulin
Conjugations	Fluorescein (FITC)
Immunogen Species	UMOD / Uromodulin antibody was raised against human
Preparation and Storage	Short term 4 C, Long term -20 C, Product is photosensitive and should be protected from light. Avoid freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Anti-UMOD / Uromodulin antibody IHC of human kidney. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody dilution 1:50.

ADDITIONAL INFORMATION

Related Product Information for anti-UMOD antibody	This product is a monoclonal antibody which reacts with an epitope of the urinary mucoprotein. Tamm-Horsfall protein is a glycoprotein of approximately 80 kDa containing up to 25% carbohydrate by weight. It exists as a high molecular weight polymer in urine and approximately 50 mg of the THP are excreted per day by adult humans. THP is produced by the epithelial cells lining the thick ascending loop of Henle and distal convoluted tubules of the kidney. THP is also the primary constituent of renal tubular casts and THP aggregation has been implicated as a factor in the pathogenesis of acute renal failure by causing tubular obstruction. Antibody to THP is present in the serum of patients with pyelonephritis and reflux uropathy. This monoclonal antibody has shown good localization to the distal tubule and collecting duct as well as to large deposits of Tamm-Horsfall protein which has clogged peripelvic veins. This antibody also works with canine. Total protein concentration (including BSA) is 4-5 mg/ml.
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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	~80kDa
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.