10320 Camino Santa Fe, Suite A
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-UMOD / Uromodulin Antibody (clone 10.32, FITC)

Mouse Anti Human Monoclonal Antibody
Catalog # ALS17606

Specification

Anti-UMOD / Uromodulin Antibody (clone 10.32, FITC) - Product Information

Application	**IHC-P, IHC-F, IF, E**
Primary Accession	P07911
Predicted	**Human, Dog**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG2b**
Calculated MW	**69761**
Dilution	**IHC-P~~N/A** **IHC-F~~N/A** **IF~~1:50~200** **E~~N/A**

Anti-UMOD / Uromodulin Antibody (clone 10.32, FITC) - Additional Information

Gene ID 7369

Alias Symbol **UMOD**

Other Names
UMOD, ADMCKD2, FJHN, HNFJ, MCKD2, THGP, THP, Uromucoid, Tamm-Horsfall glycoprotein, HNFJ1, Uromodulin

Target/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.

Reconstitution & Storage
Protein G purified

Precautions
Anti-UMOD / Uromodulin Antibody (clone 10.32, FITC) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-UMOD / Uromodulin Antibody (clone 10.32, FITC) - Protein Information

Name UMOD

Function
[Uromodulin]: Functions in biogenesis and organization of the apical membrane of epithelial cells of the thick ascending limb of Henle's loop (TALH), where it promotes formation of complex filamentous gel-like structure that may play a role in the water barrier permeability (Probable). May serve as a receptor for binding and endocytosis of cytokines (IL-1, IL-2) and TNF (PubMed:<a

href="http://www.uniprot.org/citations/3498215" target="_blank">3498215). Facilitates neutrophil migration across renal epithelia (PubMed:20798515).

Cellular Location
Apical cell membrane; Lipid-anchor, GPI-anchor. Basolateral cell membrane; Lipid-anchor, GPI-anchor. Cell projection, cilium membrane. Note=Only a small fraction sorts to the basolateral pole of tubular epithelial cells compared to apical localization (PubMed:22776760). Secreted into urine after cleavage (PubMed:18375198, PubMed:26811476). Colocalizes with NPHP1 and KIF3A (PubMed:20172860).

Tissue Location
Expressed in the tubular cells of the kidney. Most abundant protein in normal urine (at protein level). Synthesized exclusively in the kidney. Expressed exclusively by epithelial cells of the thick ascending limb of Henle's loop (TALH) and of distal convoluted tubule lumen.

Anti-UMOD / Uromodulin Antibody (clone 10.32, FITC) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-UMOD / Uromodulin Antibody (clone 10.32, FITC) - Images