



Datasheet for ABIN678473

anti-Uromodulin antibody (AA 351-450)



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4 Images

2 Publications

Overview

| | |
|----------------------|---|
| Quantity: | 100 µL |
| Target: | Uromodulin (UMOD) |
| Binding Specificity: | AA 351-450 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This Uromodulin antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

Product Details

| | |
|-----------------------|--|
| Immunogen: | KLH conjugated synthetic peptide derived from Human Uromodulin |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Predicted Reactivity: | Cow |
| Purification: | Purified by Protein A. |

Target Details

| | |
|---------|-------------------|
| Target: | Uromodulin (UMOD) |
|---------|-------------------|

Target Details

Alternative Name: Uromodulin ([UMOD Products](#))

Background: Synonyms: ADMCKD2, FJHN, HNFJ, HNFJ1, MCKD2, medullary cystic kidney disease 2 autosomal dominant, Tamm Horsfall glycoprotein, Tamm Horsfall urinary glycoprotein, Tamm-Horsfall urinary glycoprotein, THGP, THP, Umod, UROM_HUMAN, Uromodulin.

Background: 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 providing the water barrier permeability. May serve as a receptor for binding and endocytosis for cytokines (IL-1, IL-2) and TNF. Facilitates neutrophil migration across renal epithelia. Uromodulin, secreted form: Secreted into urine after proteolytical cleavage. Into the urine, may contribute to colloid osmotic pressure, retards passage of positively charged electrolytes, prevents urinary tract infection and modulates formation of supersaturated salts and their crystals.

Gene ID: 7369

UniProt: [P07911](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
FCM 1:20-100
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

Handling

handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

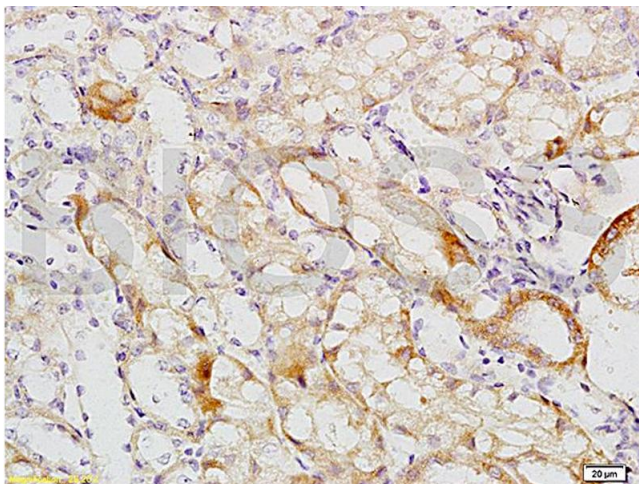
Expiry Date: 12 months

Publications

Product cited in: Cho, Song, Oh, Kim, Ko, Lee, Jo: "Fate of Neutrophils during the Recovery Phase of Ischemia/Reperfusion Induced Acute Kidney Injury." in: **Journal of Korean medical science**, Vol. 32, Issue 10, pp. 1616-1625, (2018) ([PubMed](#)).

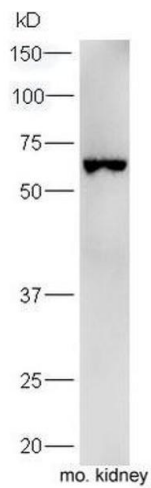
Kim, Ko, Lee, Kim, Jo, Cho: "Blocking junctional adhesion molecule C promotes the recovery of cisplatin-induced acute kidney injury." in: **The Korean journal of internal medicine**, Vol. 32, Issue 6, pp. 1053-1061, (2018) ([PubMed](#)).

Images



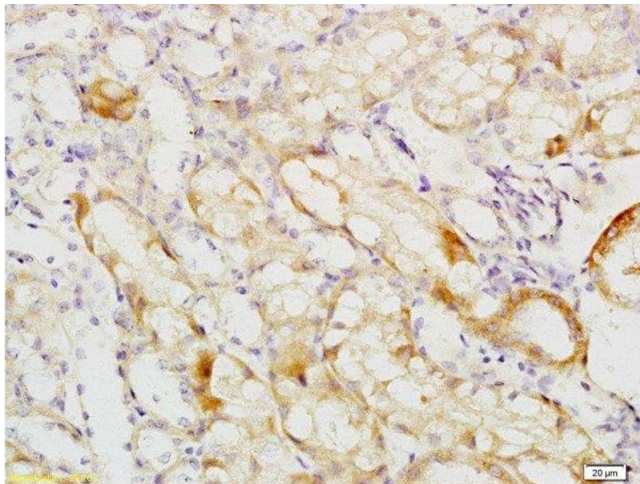
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded mouse kidney tissue labeled with Anti-MCKD2/UMOD Polyclonal Antibody, Unconjugated (ABIN678473) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Western Blotting

Image 2. Mouse kidney lysates probed with Rabbit Anti-Uromodulin Polyclonal Antibody, Unconjugated at 1:5000 for 90 min at 37°C.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin embedded mouse kidney tissue labeled with Anti-MCKD2/UMOD Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN678473.